

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.38	1.20	24.58	<=30	Pass
			2	23.43	1.20	24.63	<=30	Pass
			5	23.38	1.20	24.58	<=30	Pass
		3	0	23.41	1.20	24.61	<=30	Pass
			2	23.40	1.20	24.60	<=30	Pass
			3	23.39	1.20	24.59	<=30	Pass
		6	0	22.40	1.20	23.60	<=30	Pass
	1732.5	1	0	22.91	1.20	24.11	<=30	Pass
			2	22.96	1.20	24.16	<=30	Pass
			5	22.90	1.20	24.10	<=30	Pass
		3	0	22.94	1.20	24.14	<=30	Pass
			2	22.93	1.20	24.13	<=30	Pass
			3	22.96	1.20	24.16	<=30	Pass
		6	0	21.93	1.20	23.13	<=30	Pass
	1754.3	1	0	22.80	1.20	24.00	<=30	Pass
			2	22.80	1.20	24.00	<=30	Pass
			5	22.80	1.20	24.00	<=30	Pass
		3	0	22.78	1.20	23.98	<=30	Pass
			2	22.82	1.20	24.02	<=30	Pass
			3	22.79	1.20	23.99	<=30	Pass
16QAM	1710.7	1	0	21.81	1.20	23.01	<=30	Pass
			2	22.50	1.20	23.70	<=30	Pass
			5	22.54	1.20	23.74	<=30	Pass
		3	0	22.55	1.20	23.75	<=30	Pass
			2	22.50	1.20	23.70	<=30	Pass
			3	22.48	1.20	23.68	<=30	Pass
		6	0	22.51	1.20	23.71	<=30	Pass
	1732.5	1	0	21.48	1.20	22.68	<=30	Pass
			2	22.14	1.20	23.34	<=30	Pass
			5	22.18	1.20	23.38	<=30	Pass
		3	0	22.04	1.20	23.24	<=30	Pass
			2	22.03	1.20	23.23	<=30	Pass
			3	22.00	1.20	23.20	<=30	Pass
		6	0	21.96	1.20	23.16	<=30	Pass
	1754.3	1	0	22.09	1.20	23.09	<=30	Pass
			2	21.91	1.20	23.11	<=30	Pass
			5	21.91	1.20	23.11	<=30	Pass
		3	0	21.84	1.20	23.04	<=30	Pass
			2	21.88	1.20	23.08	<=30	Pass
			3	21.87	1.20	23.07	<=30	Pass
64QAM	1710.7	1	0	21.84	1.20	23.04	<=30	Pass
			2	21.84	1.20	23.04	<=30	Pass
			3	21.84	1.20	23.04	<=30	Pass
		3	0	20.96	1.20	22.16	<=30	Pass
			2	21.59	1.20	22.79	<=30	Pass
			5	21.46	1.20	22.66	<=30	Pass
64QAM	1710.7	3	0	21.55	1.20	22.75	<=30	Pass
			2	21.46	1.20	22.66	<=30	Pass
			5	21.46	1.20	22.66	<=30	Pass

		6	2	21.41	1.20	22.61	<=30	Pass
			3	21.41	1.20	22.61	<=30	Pass
			0	20.49	1.20	21.69	<=30	Pass
	1732.5	1	0	21.12	1.20	22.32	<=30	Pass
			2	21.17	1.20	22.37	<=30	Pass
			5	21.11	1.20	22.31	<=30	Pass
		3	0	20.99	1.20	22.19	<=30	Pass
			2	20.98	1.20	22.18	<=30	Pass
			3	20.93	1.20	22.13	<=30	Pass
		6	0	19.96	1.20	21.16	<=30	Pass
	1754.3	1	0	20.79	1.20	21.99	<=30	Pass
			2	20.94	1.20	22.14	<=30	Pass
			5	20.79	1.20	21.99	<=30	Pass
		3	0	20.86	1.20	22.06	<=30	Pass
			2	20.86	1.20	22.06	<=30	Pass
			3	20.87	1.20	22.07	<=30	Pass
		6	0	19.76	1.20	20.96	<=30	Pass
256QAM	1710.7	1	0	18.42	1.20	19.62	<=30	Pass
			2	18.61	1.20	19.81	<=30	Pass
			5	18.51	1.20	19.71	<=30	Pass
		3	0	18.51	1.20	19.71	<=30	Pass
			2	18.36	1.20	19.56	<=30	Pass
			3	18.45	1.20	19.65	<=30	Pass
		6	0	18.50	1.20	19.70	<=30	Pass
	1732.5	1	0	17.91	1.20	19.11	<=30	Pass
			2	18.08	1.20	19.28	<=30	Pass
			5	17.96	1.20	19.16	<=30	Pass
		3	0	17.93	1.20	19.13	<=30	Pass
			2	17.94	1.20	19.14	<=30	Pass
			3	17.96	1.20	19.16	<=30	Pass
		6	0	17.96	1.20	19.16	<=30	Pass
	1754.3	1	0	17.84	1.20	19.04	<=30	Pass
			2	18.07	1.20	19.27	<=30	Pass
			5	17.94	1.20	19.14	<=30	Pass
		3	0	17.92	1.20	19.12	<=30	Pass
			2	17.87	1.20	19.07	<=30	Pass
			3	17.81	1.20	19.01	<=30	Pass
		6	0	17.71	1.20	18.91	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.35	1.20	24.55	<=30	Pass
			7	23.45	1.20	24.65	<=30	Pass
			14	23.31	1.20	24.51	<=30	Pass
		8	0	22.44	1.20	23.64	<=30	Pass
			4	22.44	1.20	23.64	<=30	Pass
			7	22.32	1.20	23.52	<=30	Pass
		15	0	22.42	1.20	23.62	<=30	Pass
	1732.5	1	0	22.90	1.20	24.10	<=30	Pass

			7	22.98	1.20	24.18	<=30	Pass
			14	22.86	1.20	24.06	<=30	Pass
			0	21.93	1.20	23.13	<=30	Pass
		8	4	21.98	1.20	23.18	<=30	Pass
			7	21.95	1.20	23.15	<=30	Pass
			15	21.93	1.20	23.13	<=30	Pass
	1753.5	1	0	22.76	1.20	23.96	<=30	Pass
			7	22.84	1.20	24.04	<=30	Pass
			14	22.77	1.20	23.97	<=30	Pass
		8	0	21.83	1.20	23.03	<=30	Pass
			4	21.82	1.20	23.02	<=30	Pass
			7	21.81	1.20	23.01	<=30	Pass
		15	0	21.83	1.20	23.03	<=30	Pass
			7	22.52	1.20	23.72	<=30	Pass
			14	22.43	1.20	23.63	<=30	Pass
16QAM	1711.5	1	0	21.47	1.20	22.67	<=30	Pass
			4	21.53	1.20	22.73	<=30	Pass
			7	21.35	1.20	22.55	<=30	Pass
		8	0	21.46	1.20	22.66	<=30	Pass
			4	21.02	1.20	22.22	<=30	Pass
			7	20.97	1.20	22.17	<=30	Pass
		15	0	20.96	1.20	22.16	<=30	Pass
			7	22.06	1.20	23.26	<=30	Pass
			14	21.93	1.20	23.13	<=30	Pass
	1732.5	1	0	20.84	1.20	22.04	<=30	Pass
			4	20.87	1.20	22.07	<=30	Pass
			7	20.84	1.20	22.04	<=30	Pass
		8	0	20.79	1.20	21.99	<=30	Pass
			4	19.95	1.20	21.15	<=30	Pass
			7	19.91	1.20	21.11	<=30	Pass
		15	0	19.95	1.20	21.15	<=30	Pass
			7	20.98	1.20	22.18	<=30	Pass
			14	20.94	1.20	22.14	<=30	Pass
	1753.5	1	0	19.91	1.20	21.11	<=30	Pass
			4	19.95	1.20	21.15	<=30	Pass
			7	19.85	1.20	21.05	<=30	Pass
		8	0	19.86	1.20	21.06	<=30	Pass
			4	18.49	1.20	19.69	<=30	Pass
			7	18.55	1.20	19.75	<=30	Pass
64QAM	1711.5	1	0	21.52	1.20	22.72	<=30	Pass
			7	21.66	1.20	22.86	<=30	Pass
			14	21.60	1.20	22.80	<=30	Pass
		8	0	20.43	1.20	21.63	<=30	Pass
			4	20.51	1.20	21.71	<=30	Pass
			7	20.31	1.20	21.51	<=30	Pass
		15	0	20.42	1.20	21.62	<=30	Pass
			7	21.28	1.20	22.48	<=30	Pass
			14	21.09	1.20	22.29	<=30	Pass
	1732.5	1	0	19.95	1.20	21.15	<=30	Pass
			4	19.91	1.20	21.11	<=30	Pass
			7	20.03	1.20	21.23	<=30	Pass
		8	0	19.95	1.20	21.15	<=30	Pass
			4	19.91	1.20	21.11	<=30	Pass
			7	19.85	1.20	21.05	<=30	Pass
		15	0	19.86	1.20	21.06	<=30	Pass
			7	21.14	1.20	22.34	<=30	Pass
			14	20.94	1.20	22.14	<=30	Pass
256QAM	1711.5	1	0	18.49	1.20	19.69	<=30	Pass
			7	18.55	1.20	19.75	<=30	Pass
			14	18.55	1.20	19.75	<=30	Pass

			14	18.47	1.20	19.67	<=30	Pass
		8	0	18.44	1.20	19.64	<=30	Pass
			4	18.49	1.20	19.69	<=30	Pass
			7	18.34	1.20	19.54	<=30	Pass
		15	0	18.42	1.20	19.62	<=30	Pass
	1732.5	1	0	17.95	1.20	19.15	<=30	Pass
			7	18.07	1.20	19.27	<=30	Pass
			14	17.98	1.20	19.18	<=30	Pass
		8	0	17.96	1.20	19.16	<=30	Pass
			4	18.02	1.20	19.22	<=30	Pass
			7	17.97	1.20	19.17	<=30	Pass
		15	0	18.00	1.20	19.20	<=30	Pass
		1753.5	1	0	17.88	1.20	19.08	<=30
	7			17.98	1.20	19.18	<=30	Pass
	14			17.87	1.20	19.07	<=30	Pass
	8		0	17.83	1.20	19.03	<=30	Pass
			4	17.87	1.20	19.07	<=30	Pass
			7	17.81	1.20	19.01	<=30	Pass
	15		0	17.83	1.20	19.03	<=30	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.34	1.20	24.54	<=30	Pass
			13	23.46	1.20	24.66	<=30	Pass
			24	23.36	1.20	24.56	<=30	Pass
		12	0	22.43	1.20	23.63	<=30	Pass
			6	22.45	1.20	23.65	<=30	Pass
			13	22.31	1.20	23.51	<=30	Pass
		25	0	22.32	1.20	23.52	<=30	Pass
	1732.5	1	0	22.94	1.20	24.14	<=30	Pass
			13	22.95	1.20	24.15	<=30	Pass
			24	22.87	1.20	24.07	<=30	Pass
		12	0	21.96	1.20	23.16	<=30	Pass
			6	22.02	1.20	23.22	<=30	Pass
			13	21.86	1.20	23.06	<=30	Pass
		25	0	21.98	1.20	23.18	<=30	Pass
	1752.5	1	0	22.80	1.20	24.00	<=30	Pass
			13	22.90	1.20	24.10	<=30	Pass
			24	22.80	1.20	24.00	<=30	Pass
		12	0	21.84	1.20	23.04	<=30	Pass
			6	21.88	1.20	23.08	<=30	Pass
			13	21.84	1.20	23.04	<=30	Pass
		25	0	21.82	1.20	23.02	<=30	Pass
16QAM	1712.5	1	0	22.37	1.20	23.57	<=30	Pass
			13	22.53	1.20	23.73	<=30	Pass
			24	22.35	1.20	23.55	<=30	Pass
		12	0	21.43	1.20	22.63	<=30	Pass
			6	21.50	1.20	22.70	<=30	Pass
			13	21.32	1.20	22.52	<=30	Pass

		25	0	21.33	1.20	22.53	<=30	Pass
	1732.5	1	0	22.07	1.20	23.27	<=30	Pass
			13	22.14	1.20	23.34	<=30	Pass
			24	22.09	1.20	23.29	<=30	Pass
			0	21.05	1.20	22.25	<=30	Pass
		12	6	21.07	1.20	22.27	<=30	Pass
			13	20.92	1.20	22.12	<=30	Pass
			25	0	20.95	1.20	22.15	<=30
	1752.5	1	0	21.85	1.20	23.05	<=30	Pass
			13	21.96	1.20	23.16	<=30	Pass
			24	21.85	1.20	23.05	<=30	Pass
		12	0	20.73	1.20	21.93	<=30	Pass
			6	20.97	1.20	22.17	<=30	Pass
			13	20.83	1.20	22.03	<=30	Pass
		25	0	20.86	1.20	22.06	<=30	Pass
64QAM	1712.5	1	0	21.51	1.20	22.71	<=30	Pass
			13	21.61	1.20	22.81	<=30	Pass
			24	21.47	1.20	22.67	<=30	Pass
		12	0	20.43	1.20	21.63	<=30	Pass
			6	20.44	1.20	21.64	<=30	Pass
			13	20.31	1.20	21.51	<=30	Pass
		25	0	20.34	1.20	21.54	<=30	Pass
	1732.5	1	0	20.99	1.20	22.19	<=30	Pass
			13	21.07	1.20	22.27	<=30	Pass
			24	20.92	1.20	22.12	<=30	Pass
		12	0	19.99	1.20	21.19	<=30	Pass
			6	20.01	1.20	21.21	<=30	Pass
			13	19.91	1.20	21.11	<=30	Pass
		25	0	19.95	1.20	21.15	<=30	Pass
	1752.5	1	0	20.98	1.20	22.18	<=30	Pass
			13	21.04	1.20	22.24	<=30	Pass
			24	20.97	1.20	22.17	<=30	Pass
		12	0	19.88	1.20	21.08	<=30	Pass
			6	19.91	1.20	21.11	<=30	Pass
			13	19.81	1.20	21.01	<=30	Pass
		25	0	19.82	1.20	21.02	<=30	Pass
256QAM	1712.5	1	0	18.54	1.20	19.74	<=30	Pass
			13	18.49	1.20	19.69	<=30	Pass
			24	18.47	1.20	19.67	<=30	Pass
		12	0	18.47	1.20	19.67	<=30	Pass
			6	18.47	1.20	19.67	<=30	Pass
			13	18.32	1.20	19.52	<=30	Pass
		25	0	18.34	1.20	19.54	<=30	Pass
	1732.5	1	0	18.09	1.20	19.29	<=30	Pass
			13	18.09	1.20	19.29	<=30	Pass
			24	17.97	1.20	19.17	<=30	Pass
		12	0	17.99	1.20	19.19	<=30	Pass
			6	18.02	1.20	19.22	<=30	Pass
			13	17.90	1.20	19.10	<=30	Pass
		25	0	17.98	1.20	19.18	<=30	Pass
	1752.5	1	0	17.97	1.20	19.17	<=30	Pass
			13	18.10	1.20	19.30	<=30	Pass
			24	17.93	1.20	19.13	<=30	Pass
		12	0	17.89	1.20	19.09	<=30	Pass
			6	17.89	1.20	19.09	<=30	Pass
			13	17.90	1.20	19.10	<=30	Pass
		25	0	17.86	1.20	19.06	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.34	1.20	24.54	<=30	Pass
			25	23.34	1.20	24.54	<=30	Pass
			49	23.26	1.20	24.46	<=30	Pass
		25	0	22.41	1.20	23.61	<=30	Pass
			13	22.44	1.20	23.64	<=30	Pass
			25	22.28	1.20	23.48	<=30	Pass
		50	0	22.40	1.20	23.60	<=30	Pass
	1732.5	1	0	22.99	1.20	24.19	<=30	Pass
			25	22.94	1.20	24.14	<=30	Pass
			49	22.81	1.20	24.01	<=30	Pass
		25	0	21.99	1.20	23.19	<=30	Pass
			13	21.95	1.20	23.15	<=30	Pass
			25	21.83	1.20	23.03	<=30	Pass
		50	0	21.97	1.20	23.17	<=30	Pass
	1750	1	0	22.83	1.20	24.03	<=30	Pass
			25	22.91	1.20	24.11	<=30	Pass
			49	22.81	1.20	24.01	<=30	Pass
		25	0	21.86	1.20	23.06	<=30	Pass
			13	21.90	1.20	23.10	<=30	Pass
			25	21.83	1.20	23.03	<=30	Pass
		50	0	21.89	1.20	23.09	<=30	Pass
16QAM	1715	1	0	22.47	1.20	23.67	<=30	Pass
			25	22.51	1.20	23.71	<=30	Pass
			49	22.33	1.20	23.53	<=30	Pass
		25	0	21.44	1.20	22.64	<=30	Pass
			13	21.41	1.20	22.61	<=30	Pass
			25	21.31	1.20	22.51	<=30	Pass
		50	0	21.39	1.20	22.59	<=30	Pass
	1732.5	1	0	22.13	1.20	23.33	<=30	Pass
			25	22.11	1.20	23.31	<=30	Pass
			49	22.03	1.20	23.23	<=30	Pass
		25	0	21.01	1.20	22.21	<=30	Pass
			13	21.02	1.20	22.22	<=30	Pass
			25	20.89	1.20	22.09	<=30	Pass
		50	0	20.98	1.20	22.18	<=30	Pass
	1750	1	0	22.00	1.20	23.20	<=30	Pass
			25	22.04	1.20	23.24	<=30	Pass
			49	21.97	1.20	23.17	<=30	Pass
		25	0	20.88	1.20	22.08	<=30	Pass
			13	20.89	1.20	22.09	<=30	Pass
			25	20.86	1.20	22.06	<=30	Pass
		50	0	20.87	1.20	22.07	<=30	Pass
64QAM	1715	1	0	21.54	1.20	22.74	<=30	Pass
			25	21.56	1.20	22.76	<=30	Pass
			49	21.39	1.20	22.59	<=30	Pass
		25	0	20.43	1.20	21.63	<=30	Pass

			13	20.45	1.20	21.65	<=30	Pass		
			25	20.29	1.20	21.49	<=30	Pass		
		50	0	20.40	1.20	21.60	<=30	Pass		
	1732.5	1	0	21.16	1.20	22.36	<=30	Pass		
			25	21.11	1.20	22.31	<=30	Pass		
			49	20.88	1.20	22.08	<=30	Pass		
		25	0	20.00	1.20	21.20	<=30	Pass		
			13	19.96	1.20	21.16	<=30	Pass		
			25	19.84	1.20	21.04	<=30	Pass		
		50	0	19.95	1.20	21.15	<=30	Pass		
		1750	1	0	21.06	1.20	22.26	<=30	Pass	
				25	21.07	1.20	22.27	<=30	Pass	
	49			20.93	1.20	22.13	<=30	Pass		
	25		0	19.89	1.20	21.09	<=30	Pass		
			13	19.90	1.20	21.10	<=30	Pass		
			25	19.88	1.20	21.08	<=30	Pass		
	50	0	19.88	1.20	21.08	<=30	Pass			
	256QAM	1715	1	0	18.48	1.20	19.68	<=30	Pass	
25				18.49	1.20	19.69	<=30	Pass		
49				18.25	1.20	19.45	<=30	Pass		
25			0	18.44	1.20	19.64	<=30	Pass		
			13	18.43	1.20	19.63	<=30	Pass		
			25	18.31	1.20	19.51	<=30	Pass		
50			0	18.38	1.20	19.58	<=30	Pass		
1732.5			1	0	18.13	1.20	19.33	<=30	Pass	
				25	18.10	1.20	19.30	<=30	Pass	
		49		17.92	1.20	19.12	<=30	Pass		
		25	0	18.00	1.20	19.20	<=30	Pass		
			13	17.99	1.20	19.19	<=30	Pass		
			25	17.86	1.20	19.06	<=30	Pass		
50		0	17.99	1.20	19.19	<=30	Pass			
1750		1	0	18.00	1.20	19.20	<=30	Pass		
			25	17.95	1.20	19.15	<=30	Pass		
			49	17.96	1.20	19.16	<=30	Pass		
		25	0	17.91	1.20	19.11	<=30	Pass		
			13	17.93	1.20	19.13	<=30	Pass		
			25	17.88	1.20	19.08	<=30	Pass		
		50	0	17.87	1.20	19.07	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.17	1.20	24.37	<=30	Pass
			38	23.14	1.20	24.34	<=30	Pass
			74	23.06	1.20	24.26	<=30	Pass
		36	0	22.25	1.20	23.45	<=30	Pass
			18	22.23	1.20	23.43	<=30	Pass
			39	22.08	1.20	23.28	<=30	Pass
		75	0	22.14	1.20	23.34	<=30	Pass
	1732.5	1	0	22.90	1.20	24.10	<=30	Pass

			38	22.75	1.20	23.95	<=30	Pass	
			74	22.76	1.20	23.96	<=30	Pass	
			0	21.89	1.20	23.09	<=30	Pass	
		36	18	21.84	1.20	23.04	<=30	Pass	
			39	21.69	1.20	22.89	<=30	Pass	
		75	0	21.82	1.20	23.02	<=30	Pass	
	1747.5	1	0	22.67	1.20	23.87	<=30	Pass	
			38	22.70	1.20	23.90	<=30	Pass	
			74	22.67	1.20	23.87	<=30	Pass	
		36	0	21.77	1.20	22.97	<=30	Pass	
			18	21.76	1.20	22.96	<=30	Pass	
			39	21.68	1.20	22.88	<=30	Pass	
	75	0	21.78	1.20	22.98	<=30	Pass		
16QAM	1717.5	1	0	22.34	1.20	23.54	<=30	Pass	
			38	22.35	1.20	23.55	<=30	Pass	
			74	22.27	1.20	23.47	<=30	Pass	
		36	0	21.27	1.20	22.47	<=30	Pass	
			18	21.23	1.20	22.43	<=30	Pass	
			39	21.10	1.20	22.30	<=30	Pass	
		75	0	21.12	1.20	22.32	<=30	Pass	
		1732.5	1	0	22.09	1.20	23.29	<=30	Pass
				38	21.95	1.20	23.15	<=30	Pass
	74			21.89	1.20	23.09	<=30	Pass	
	36		0	20.90	1.20	22.10	<=30	Pass	
			18	20.87	1.20	22.07	<=30	Pass	
			39	20.68	1.20	21.88	<=30	Pass	
	75	0	20.82	1.20	22.02	<=30	Pass		
	1747.5	1	0	21.93	1.20	23.13	<=30	Pass	
			38	21.79	1.20	22.99	<=30	Pass	
			74	21.89	1.20	23.09	<=30	Pass	
		36	0	20.77	1.20	21.97	<=30	Pass	
			18	20.78	1.20	21.98	<=30	Pass	
			39	20.70	1.20	21.90	<=30	Pass	
	75	0	20.80	1.20	22.00	<=30	Pass		
64QAM	1717.5	1	0	21.45	1.20	22.65	<=30	Pass	
			38	21.41	1.20	22.61	<=30	Pass	
			74	21.35	1.20	22.55	<=30	Pass	
		36	0	20.26	1.20	21.46	<=30	Pass	
			18	20.23	1.20	21.43	<=30	Pass	
			39	20.10	1.20	21.30	<=30	Pass	
		75	0	20.15	1.20	21.35	<=30	Pass	
	1732.5	1	0	21.13	1.20	22.33	<=30	Pass	
			38	20.97	1.20	22.17	<=30	Pass	
			74	20.87	1.20	22.07	<=30	Pass	
		36	0	19.92	1.20	21.12	<=30	Pass	
			18	19.83	1.20	21.03	<=30	Pass	
			39	19.71	1.20	20.91	<=30	Pass	
	75	0	19.81	1.20	21.01	<=30	Pass		
	1747.5	1	0	21.01	1.20	22.21	<=30	Pass	
			38	20.88	1.20	22.08	<=30	Pass	
			74	20.85	1.20	22.05	<=30	Pass	
		36	0	19.74	1.20	20.94	<=30	Pass	
18			19.80	1.20	21.00	<=30	Pass		
39			19.65	1.20	20.85	<=30	Pass		
75		0	19.76	1.20	20.96	<=30	Pass		
256QAM	1717.5	1	0	18.47	1.20	19.67	<=30	Pass	
			38	18.23	1.20	19.43	<=30	Pass	

		36	74	18.15	1.20	19.35	<=30	Pass	
			0	18.28	1.20	19.48	<=30	Pass	
			18	18.25	1.20	19.45	<=30	Pass	
			39	18.08	1.20	19.28	<=30	Pass	
		75	0	18.15	1.20	19.35	<=30	Pass	
	1732.5	1	0	18.12	1.20	19.32	<=30	Pass	
			38	17.82	1.20	19.02	<=30	Pass	
			74	17.81	1.20	19.01	<=30	Pass	
		36	0	17.91	1.20	19.11	<=30	Pass	
			18	17.86	1.20	19.06	<=30	Pass	
			39	17.72	1.20	18.92	<=30	Pass	
		75	0	17.83	1.20	19.03	<=30	Pass	
		1747.5	1	0	17.85	1.20	19.05	<=30	Pass
				38	17.84	1.20	19.04	<=30	Pass
	74			17.83	1.20	19.03	<=30	Pass	
	36		0	17.80	1.20	19.00	<=30	Pass	
			18	17.76	1.20	18.96	<=30	Pass	
			39	17.66	1.20	18.86	<=30	Pass	
	75	0	17.77	1.20	18.97	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.33	1.20	24.53	<=30	Pass
			50	23.08	1.20	24.28	<=30	Pass
			99	22.93	1.20	24.13	<=30	Pass
		50	0	22.21	1.20	23.41	<=30	Pass
			25	22.15	1.20	23.35	<=30	Pass
			50	22.03	1.20	23.23	<=30	Pass
		100	0	22.12	1.20	23.32	<=30	Pass
	1732.5	1	0	23.03	1.20	24.23	<=30	Pass
			50	22.80	1.20	24.00	<=30	Pass
			99	22.77	1.20	23.97	<=30	Pass
		50	0	21.90	1.20	23.10	<=30	Pass
			25	21.84	1.20	23.04	<=30	Pass
			50	21.70	1.20	22.90	<=30	Pass
		100	0	21.84	1.20	23.04	<=30	Pass
	1745	1	0	22.78	1.20	23.98	<=30	Pass
			50	22.70	1.20	23.90	<=30	Pass
			99	22.70	1.20	23.90	<=30	Pass
		50	0	21.80	1.20	23.00	<=30	Pass
			25	21.78	1.20	22.98	<=30	Pass
			50	21.69	1.20	22.89	<=30	Pass
		100	0	21.78	1.20	22.98	<=30	Pass
16QAM	1720	1	0	22.46	1.20	23.66	<=30	Pass
			50	22.32	1.20	23.52	<=30	Pass
			99	22.13	1.20	23.33	<=30	Pass
		50	0	21.19	1.20	22.39	<=30	Pass
			25	21.19	1.20	22.39	<=30	Pass
			50	20.99	1.20	22.19	<=30	Pass

		100	0	21.16	1.20	22.36	<=30	Pass
	1732.5	1	0	22.18	1.20	23.38	<=30	Pass
			50	21.85	1.20	23.05	<=30	Pass
			99	21.82	1.20	23.02	<=30	Pass
		50	0	20.91	1.20	22.11	<=30	Pass
			25	20.85	1.20	22.05	<=30	Pass
			50	20.72	1.20	21.92	<=30	Pass
	100	0	20.84	1.20	22.04	<=30	Pass	
	1745	1	0	22.05	1.20	23.25	<=30	Pass
			50	22.05	1.20	23.25	<=30	Pass
			99	21.95	1.20	23.15	<=30	Pass
		50	0	20.77	1.20	21.97	<=30	Pass
			25	20.80	1.20	22.00	<=30	Pass
			50	20.67	1.20	21.87	<=30	Pass
	100	0	20.77	1.20	21.97	<=30	Pass	
	64QAM	1720	1	0	21.46	1.20	22.66	<=30
50				21.26	1.20	22.46	<=30	Pass
99				21.12	1.20	22.32	<=30	Pass
50			0	20.21	1.20	21.41	<=30	Pass
			25	20.19	1.20	21.39	<=30	Pass
			50	20.01	1.20	21.21	<=30	Pass
100			0	20.17	1.20	21.37	<=30	Pass
1732.5		1	0	21.34	1.20	22.54	<=30	Pass
			50	21.05	1.20	22.25	<=30	Pass
			99	20.98	1.20	22.18	<=30	Pass
		50	0	19.89	1.20	21.09	<=30	Pass
			25	19.84	1.20	21.04	<=30	Pass
			50	19.71	1.20	20.91	<=30	Pass
		100	0	19.87	1.20	21.07	<=30	Pass
1745		1	0	21.10	1.20	22.30	<=30	Pass
			50	20.90	1.20	22.10	<=30	Pass
			99	20.98	1.20	22.18	<=30	Pass
		50	0	19.77	1.20	20.97	<=30	Pass
			25	19.80	1.20	21.00	<=30	Pass
			50	19.67	1.20	20.87	<=30	Pass
		100	0	19.80	1.20	21.00	<=30	Pass
256QAM		1720	1	0	18.54	1.20	19.74	<=30
	50			18.18	1.20	19.38	<=30	Pass
	99			17.82	1.20	19.02	<=30	Pass
	50		0	18.22	1.20	19.42	<=30	Pass
			25	18.17	1.20	19.37	<=30	Pass
			50	17.99	1.20	19.19	<=30	Pass
	100		0	18.14	1.20	19.34	<=30	Pass
	1732.5	1	0	18.12	1.20	19.32	<=30	Pass
			50	17.92	1.20	19.12	<=30	Pass
			99	17.84	1.20	19.04	<=30	Pass
		50	0	17.90	1.20	19.10	<=30	Pass
			25	17.84	1.20	19.04	<=30	Pass
			50	17.73	1.20	18.93	<=30	Pass
		100	0	17.85	1.20	19.05	<=30	Pass
	1745	1	0	17.91	1.20	19.11	<=30	Pass
			50	17.78	1.20	18.98	<=30	Pass
			99	17.80	1.20	19.00	<=30	Pass
		50	0	17.75	1.20	18.95	<=30	Pass
			25	17.77	1.20	18.97	<=30	Pass
			50	17.67	1.20	18.87	<=30	Pass
		100	0	17.72	1.20	18.92	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B4_20MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.65	-1.379	-0.0008	-2.5 to 2.5	Pass
					3.87	-1.876	-0.0011	-2.5 to 2.5	Pass
					4.45	-1.024	-0.0006	-2.5 to 2.5	Pass
				-30	3.87	-1.542	-0.0009	-2.5 to 2.5	Pass
				-20	3.87	-0.825	-0.0005	-2.5 to 2.5	Pass
				-10	3.87	-1.571	-0.0009	-2.5 to 2.5	Pass
				0	3.87	-0.735	-0.0004	-2.5 to 2.5	Pass
				10	3.87	-2.264	-0.0013	-2.5 to 2.5	Pass
				30	3.87	-1.991	-0.0012	-2.5 to 2.5	Pass
				40	3.87	-1.961	-0.0011	-2.5 to 2.5	Pass
				50	3.87	-2.190	-0.0013	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.65	-0.530	-0.0003	-2.5 to 2.5	Pass
					3.87	-0.120	-0.0001	-2.5 to 2.5	Pass
					4.45	-0.738	-0.0004	-2.5 to 2.5	Pass
				-30	3.87	-1.467	-0.0008	-2.5 to 2.5	Pass
				-20	3.87	-0.496	-0.0003	-2.5 to 2.5	Pass
				-10	3.87	-0.653	-0.0004	-2.5 to 2.5	Pass
				0	3.87	-2.423	-0.0014	-2.5 to 2.5	Pass
				10	3.87	-1.018	-0.0006	-2.5 to 2.5	Pass
				30	3.87	-2.039	-0.0012	-2.5 to 2.5	Pass
				40	3.87	-0.506	-0.0003	-2.5 to 2.5	Pass
				50	3.87	-0.004	0.0000	-2.5 to 2.5	Pass
	1745	100	0	20	3.65	0.090	0.0001	-2.5 to 2.5	Pass
					3.87	-0.833	-0.0005	-2.5 to 2.5	Pass
					4.45	-1.709	-0.0010	-2.5 to 2.5	Pass
				-30	3.87	-1.012	-0.0006	-2.5 to 2.5	Pass
				-20	3.87	0.006	0.0000	-2.5 to 2.5	Pass
				-10	3.87	0.241	0.0001	-2.5 to 2.5	Pass
				0	3.87	0.158	0.0001	-2.5 to 2.5	Pass
				10	3.87	-0.637	-0.0004	-2.5 to 2.5	Pass
				30	3.87	-0.151	-0.0001	-2.5 to 2.5	Pass
				40	3.87	-0.250	-0.0001	-2.5 to 2.5	Pass
				50	3.87	1.331	0.0008	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.65	-1.356	-0.0008	-2.5 to 2.5	Pass
					3.87	-1.140	-0.0007	-2.5 to 2.5	Pass
					4.45	-2.633	-0.0015	-2.5 to 2.5	Pass
				-30	3.87	-1.801	-0.0010	-2.5 to 2.5	Pass
				-20	3.87	-1.269	-0.0007	-2.5 to 2.5	Pass
				-10	3.87	-0.833	-0.0005	-2.5 to 2.5	Pass
				0	3.87	-0.609	-0.0004	-2.5 to 2.5	Pass
				10	3.87	-1.060	-0.0006	-2.5 to 2.5	Pass
				30	3.87	-1.324	-0.0008	-2.5 to 2.5	Pass
				40	3.87	-1.333	-0.0008	-2.5 to 2.5	Pass

	1732.5	100	0	50	3.87	-0.863	-0.0005	-2.5 to 2.5	Pass
				20	3.65	-2.561	-0.0015	-2.5 to 2.5	Pass
					3.87	-1.125	-0.0006	-2.5 to 2.5	Pass
					4.45	-0.285	-0.0002	-2.5 to 2.5	Pass
				-30	3.87	-1.633	-0.0009	-2.5 to 2.5	Pass
				-20	3.87	-0.949	-0.0005	-2.5 to 2.5	Pass
				-10	3.87	-0.390	-0.0002	-2.5 to 2.5	Pass
				0	3.87	-0.309	-0.0002	-2.5 to 2.5	Pass
				10	3.87	-1.767	-0.0010	-2.5 to 2.5	Pass
				30	3.87	-1.116	-0.0006	-2.5 to 2.5	Pass
	1745	100	0	40	3.87	-0.536	-0.0003	-2.5 to 2.5	Pass
				50	3.87	-0.566	-0.0003	-2.5 to 2.5	Pass
				20	3.65	-0.190	-0.0001	-2.5 to 2.5	Pass
					3.87	-0.569	-0.0003	-2.5 to 2.5	Pass
					4.45	0.140	0.0001	-2.5 to 2.5	Pass
				-30	3.87	-0.782	-0.0004	-2.5 to 2.5	Pass
				-20	3.87	-0.721	-0.0004	-2.5 to 2.5	Pass
				-10	3.87	0.466	0.0003	-2.5 to 2.5	Pass
				0	3.87	-1.343	-0.0008	-2.5 to 2.5	Pass
				10	3.87	1.049	0.0006	-2.5 to 2.5	Pass
64QAM	1720	100	0	30	3.87	-0.753	-0.0004	-2.5 to 2.5	Pass
				40	3.87	0.204	0.0001	-2.5 to 2.5	Pass
				50	3.87	0.019	0.0000	-2.5 to 2.5	Pass
				20	3.65	-1.319	-0.0008	-2.5 to 2.5	Pass
					3.87	-0.271	-0.0002	-2.5 to 2.5	Pass
					4.45	-1.737	-0.0010	-2.5 to 2.5	Pass
				-30	3.87	-1.359	-0.0008	-2.5 to 2.5	Pass
				-20	3.87	-0.770	-0.0004	-2.5 to 2.5	Pass
				-10	3.87	0.081	0.0000	-2.5 to 2.5	Pass
				0	3.87	-2.094	-0.0012	-2.5 to 2.5	Pass
	1732.5	100	0	10	3.87	-2.829	-0.0016	-2.5 to 2.5	Pass
				30	3.87	-1.882	-0.0011	-2.5 to 2.5	Pass
				40	3.87	-0.865	-0.0005	-2.5 to 2.5	Pass
				50	3.87	-1.136	-0.0007	-2.5 to 2.5	Pass
				20	3.65	-0.262	-0.0002	-2.5 to 2.5	Pass
					3.87	-1.591	-0.0009	-2.5 to 2.5	Pass
					4.45	-1.008	-0.0006	-2.5 to 2.5	Pass
				-30	3.87	-0.904	-0.0005	-2.5 to 2.5	Pass
				-20	3.87	-0.662	-0.0004	-2.5 to 2.5	Pass
				-10	3.87	-1.246	-0.0007	-2.5 to 2.5	Pass
	1745	100	0	0	3.87	-1.168	-0.0007	-2.5 to 2.5	Pass
				10	3.87	-2.367	-0.0014	-2.5 to 2.5	Pass
				30	3.87	-0.724	-0.0004	-2.5 to 2.5	Pass
				40	3.87	-1.667	-0.0010	-2.5 to 2.5	Pass
				50	3.87	-1.092	-0.0006	-2.5 to 2.5	Pass
				20	3.65	0.420	0.0002	-2.5 to 2.5	Pass
					3.87	-0.562	-0.0003	-2.5 to 2.5	Pass
					4.45	-0.428	-0.0002	-2.5 to 2.5	Pass
				-30	3.87	0.099	0.0001	-2.5 to 2.5	Pass
				-20	3.87	-0.470	-0.0003	-2.5 to 2.5	Pass
256QAM	1720	100	0	-10	3.87	-1.705	-0.0010	-2.5 to 2.5	Pass
				0	3.87	-0.952	-0.0005	-2.5 to 2.5	Pass
				10	3.87	0.151	0.0001	-2.5 to 2.5	Pass
				30	3.87	-0.413	-0.0002	-2.5 to 2.5	Pass
				40	3.87	-1.377	-0.0008	-2.5 to 2.5	Pass
				50	3.87	0.185	0.0001	-2.5 to 2.5	Pass
256QAM	1720	100	0	20	3.65	-0.746	-0.0004	-2.5 to 2.5	Pass

					3.87	-1.184	-0.0007	-2.5 to 2.5	Pass
					4.45	-1.906	-0.0011	-2.5 to 2.5	Pass
				-30	3.87	0.526	0.0003	-2.5 to 2.5	Pass
				-20	3.87	-1.084	-0.0006	-2.5 to 2.5	Pass
				-10	3.87	-0.417	-0.0002	-2.5 to 2.5	Pass
				0	3.87	-2.667	-0.0016	-2.5 to 2.5	Pass
				10	3.87	-0.412	-0.0002	-2.5 to 2.5	Pass
				30	3.87	-0.870	-0.0005	-2.5 to 2.5	Pass
				40	3.87	-0.968	-0.0006	-2.5 to 2.5	Pass
				50	3.87	-0.876	-0.0005	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.65	-2.492	-0.0014	-2.5 to 2.5	Pass
					3.87	-1.101	-0.0006	-2.5 to 2.5	Pass
					4.45	-0.488	-0.0003	-2.5 to 2.5	Pass
				-30	3.87	-1.539	-0.0009	-2.5 to 2.5	Pass
				-20	3.87	0.663	0.0004	-2.5 to 2.5	Pass
				-10	3.87	-0.930	-0.0005	-2.5 to 2.5	Pass
				0	3.87	-0.559	-0.0003	-2.5 to 2.5	Pass
				10	3.87	-0.948	-0.0005	-2.5 to 2.5	Pass
				30	3.87	0.344	0.0002	-2.5 to 2.5	Pass
				40	3.87	-0.850	-0.0005	-2.5 to 2.5	Pass
				50	3.87	-1.634	-0.0009	-2.5 to 2.5	Pass
	1745	100	0	20	3.65	-0.638	-0.0004	-2.5 to 2.5	Pass
					3.87	-0.518	-0.0003	-2.5 to 2.5	Pass
					4.45	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.87	0.751	0.0004	-2.5 to 2.5	Pass
				-20	3.87	-2.162	-0.0012	-2.5 to 2.5	Pass
				-10	3.87	-1.179	-0.0007	-2.5 to 2.5	Pass
				0	3.87	0.079	0.0000	-2.5 to 2.5	Pass
				10	3.87	-1.004	-0.0006	-2.5 to 2.5	Pass
				30	3.87	-1.120	-0.0006	-2.5 to 2.5	Pass
				40	3.87	-0.640	-0.0004	-2.5 to 2.5	Pass
				50	3.87	-0.687	-0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band4_OBW

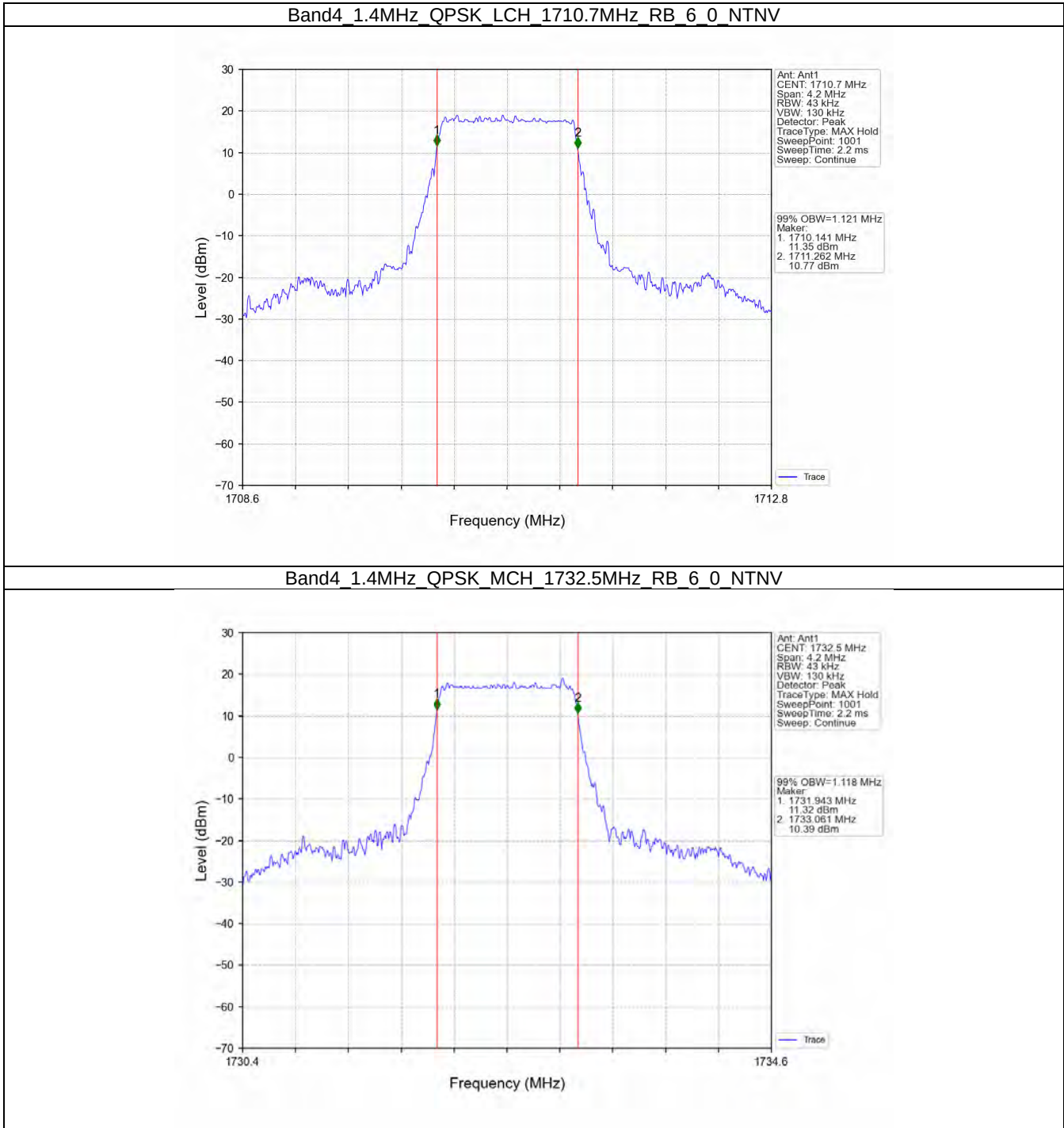
3.1.1 Test Result

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.121	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.119	/	Pass
	16QAM	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.125	/	Pass
		1754.3	6	0	1.134	/	Pass
	64QAM	1710.7	6	0	1.133	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.129	/	Pass
	256QAM	1710.7	6	0	1.127	/	Pass
		1732.5	6	0	1.126	/	Pass
		1754.3	6	0	1.109	/	Pass

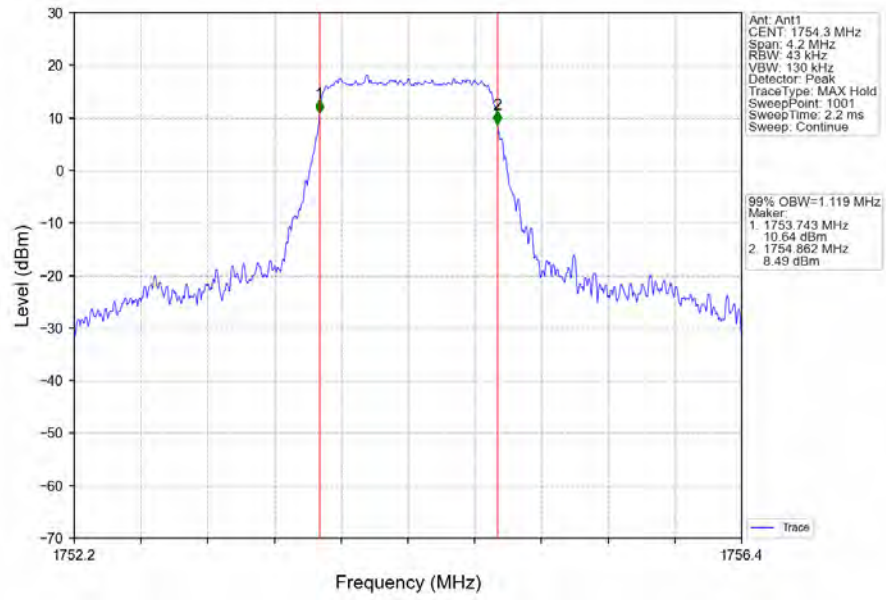
3	QPSK	1711.5	15	0	2.757	/	Pass
		1732.5	15	0	2.756	/	Pass
		1753.5	15	0	2.742	/	Pass
	16QAM	1711.5	15	0	2.760	/	Pass
		1732.5	15	0	2.739	/	Pass
		1753.5	15	0	2.752	/	Pass
	64QAM	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.741	/	Pass
		1753.5	15	0	2.740	/	Pass
5	QPSK	1711.5	15	0	2.749	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.748	/	Pass
	16QAM	1712.5	25	0	4.569	/	Pass
		1732.5	25	0	4.558	/	Pass
		1752.5	25	0	4.573	/	Pass
	64QAM	1712.5	25	0	4.587	/	Pass
		1732.5	25	0	4.569	/	Pass
		1752.5	25	0	4.572	/	Pass
10	QPSK	1712.5	25	0	4.578	/	Pass
		1732.5	25	0	4.568	/	Pass
		1752.5	25	0	4.576	/	Pass
	16QAM	1712.5	25	0	4.571	/	Pass
		1732.5	25	0	4.566	/	Pass
		1752.5	25	0	4.561	/	Pass
	64QAM	1715	50	0	9.068	/	Pass
		1732.5	50	0	9.141	/	Pass
		1750	50	0	9.091	/	Pass
15	QPSK	1715	50	0	9.094	/	Pass
		1732.5	50	0	9.095	/	Pass
		1750	50	0	9.071	/	Pass
	16QAM	1715	50	0	9.114	/	Pass
		1732.5	50	0	9.077	/	Pass
		1750	50	0	9.072	/	Pass
	64QAM	1715	50	0	9.066	/	Pass
		1732.5	50	0	9.103	/	Pass
		1750	50	0	9.081	/	Pass
20	QPSK	1717.5	75	0	13.633	/	Pass
		1732.5	75	0	13.619	/	Pass
		1747.5	75	0	13.660	/	Pass
	16QAM	1717.5	75	0	13.632	/	Pass
		1732.5	75	0	13.625	/	Pass
		1747.5	75	0	13.614	/	Pass
	64QAM	1717.5	75	0	13.582	/	Pass
		1732.5	75	0	13.593	/	Pass
		1747.5	75	0	13.633	/	Pass
	QPSK	1717.5	75	0	13.590	/	Pass
		1732.5	75	0	13.608	/	Pass
		1747.5	75	0	13.598	/	Pass
	16QAM	1720	100	0	18.119	/	Pass
		1732.5	100	0	18.166	/	Pass
		1745	100	0	18.185	/	Pass
	64QAM	1720	100	0	18.112	/	Pass
		1732.5	100	0	18.136	/	Pass
		1745	100	0	18.136	/	Pass
	QPSK	1720	100	0	18.110	/	Pass
		1732.5	100	0	18.111	/	Pass
		1745	100	0	18.132	/	Pass
	16QAM	1720	100	0	18.110	/	Pass
		1732.5	100	0	18.111	/	Pass
		1745	100	0	18.132	/	Pass
	64QAM	1720	100	0	18.110	/	Pass
		1732.5	100	0	18.111	/	Pass
		1745	100	0	18.132	/	Pass

	256QAM	1720	100	0	18.088	/	Pass
		1732.5	100	0	18.144	/	Pass
		1745	100	0	18.108	/	Pass

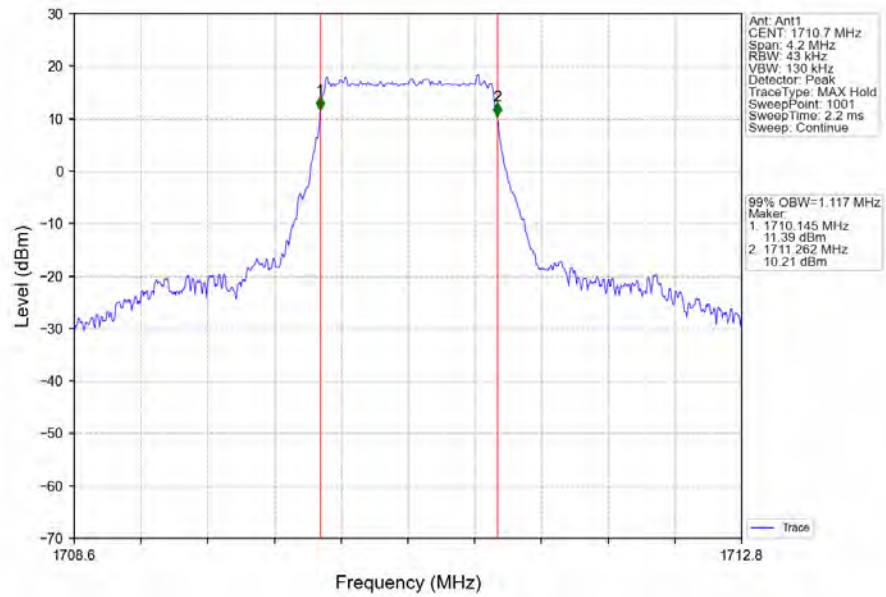
3.1.2 Test Graph



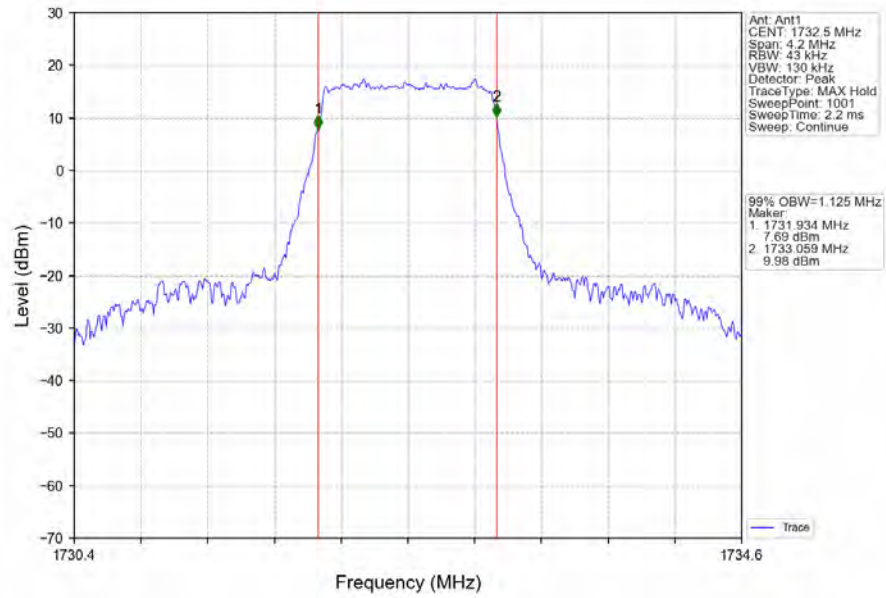
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



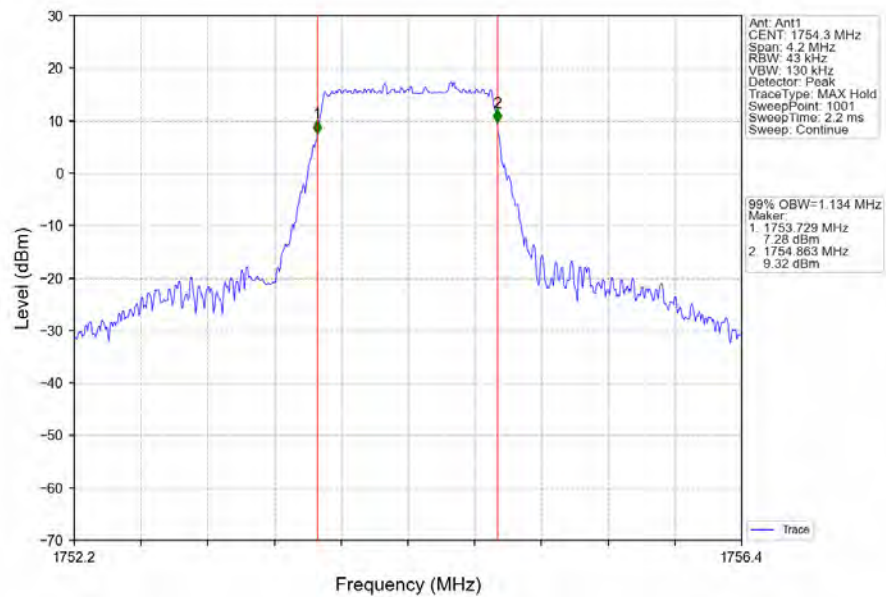
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



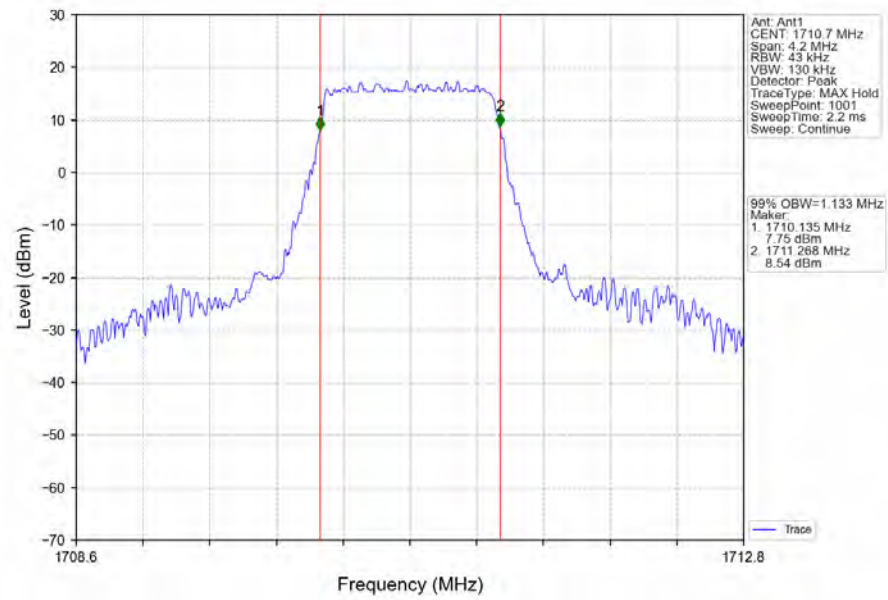
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



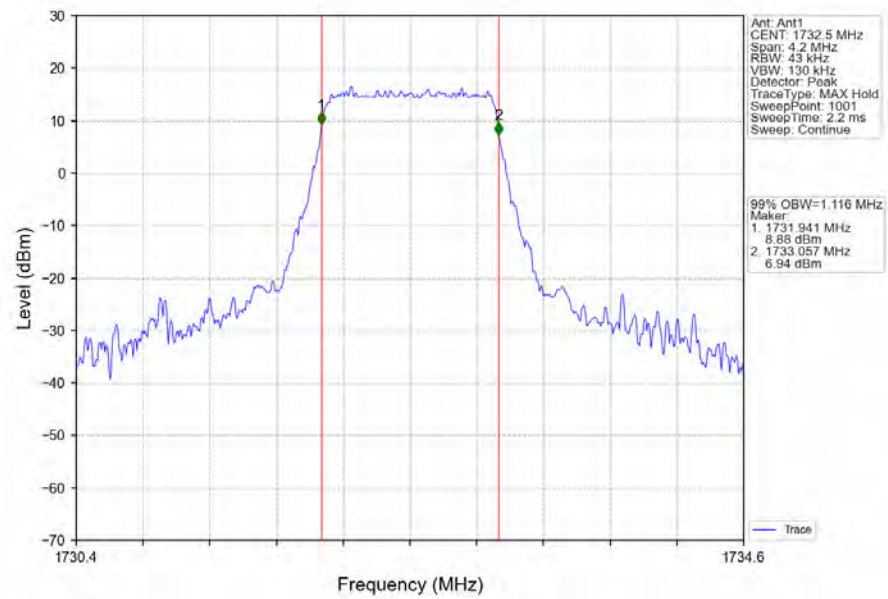
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



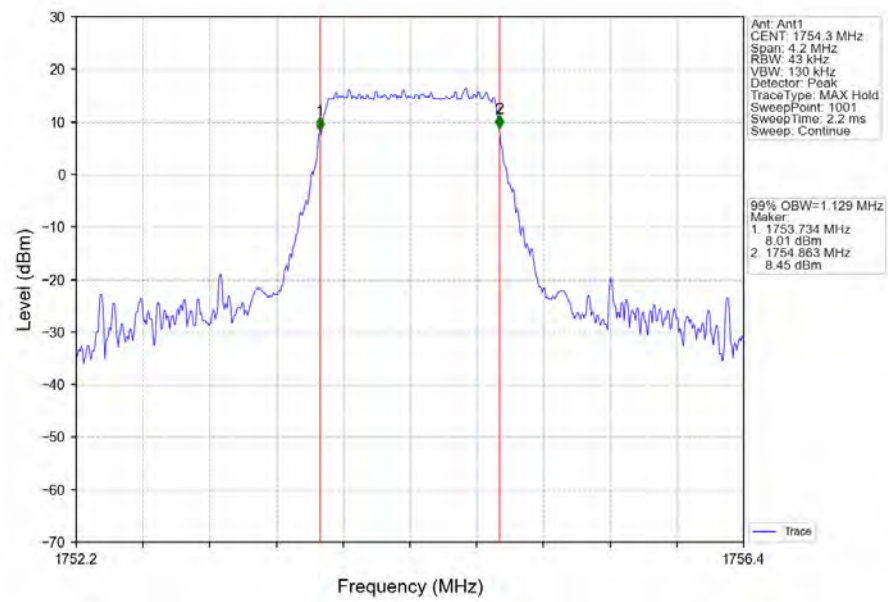
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



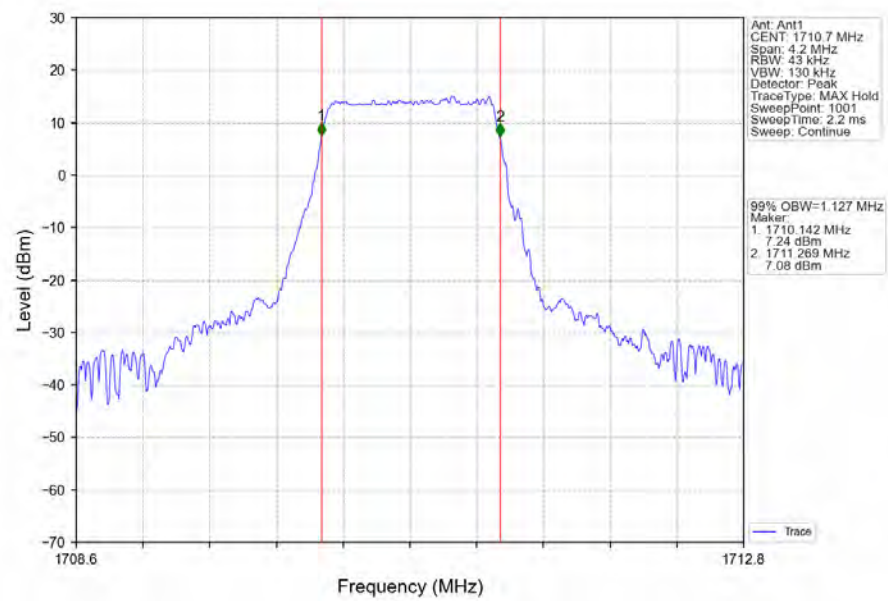
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



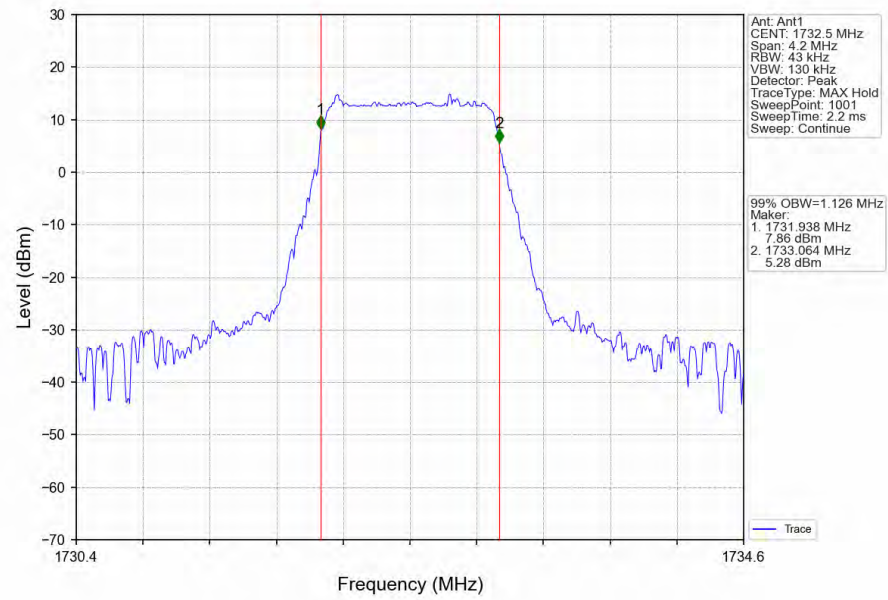
Band4 1.4MHz 64QAM HCH 1754.3MHz RB 6 0 NTN



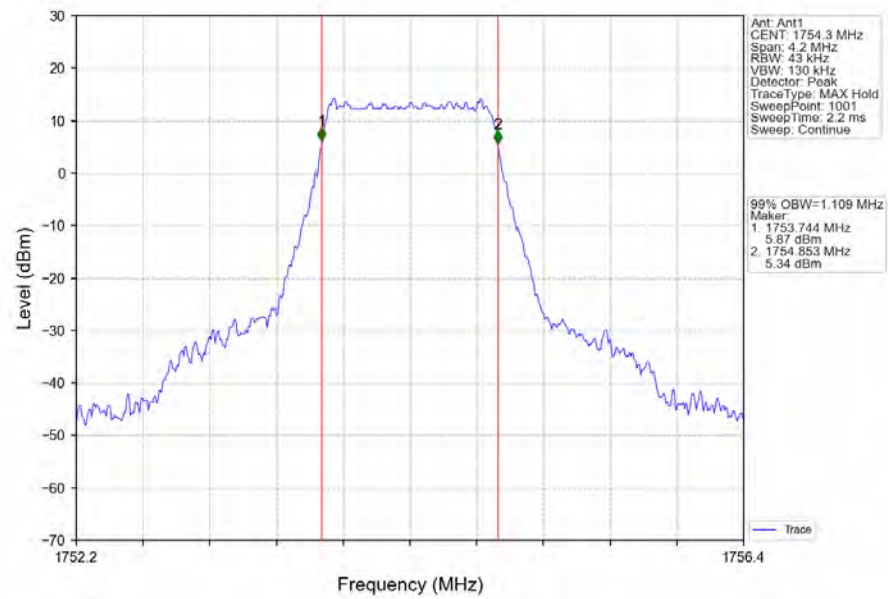
Band4 1.4MHz 256QAM LCH 1710.7MHz RB 6 0 NTN



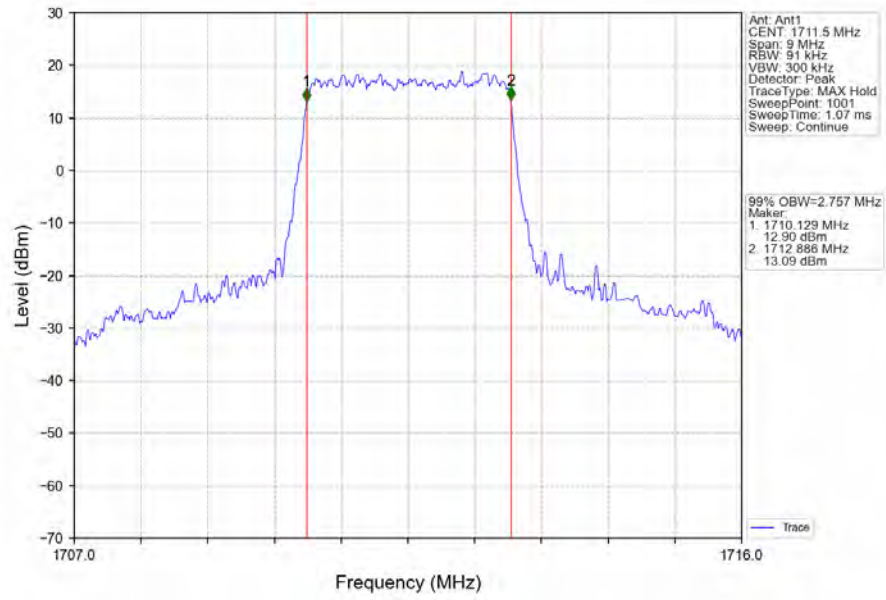
Band4_1.4MHz_256QAM_MCH_1732.5MHz_RB_6_0_NTNV



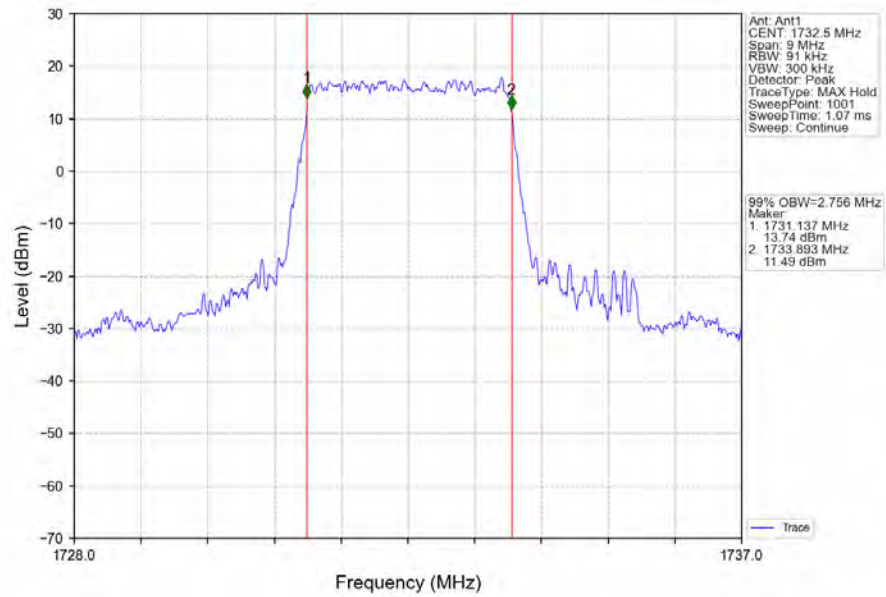
Band4_1.4MHz_256QAM_HCH_1754.3MHz_RB_6_0_NTNV



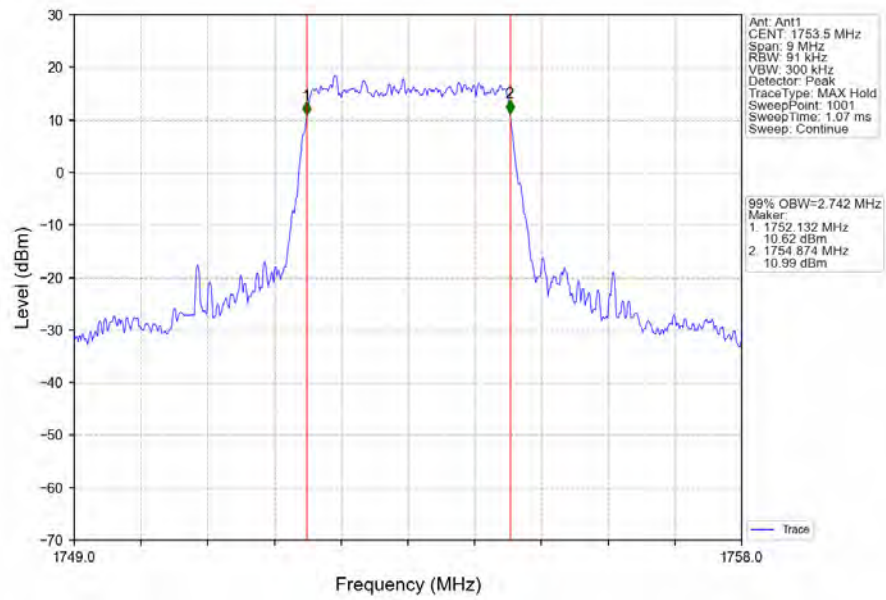
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



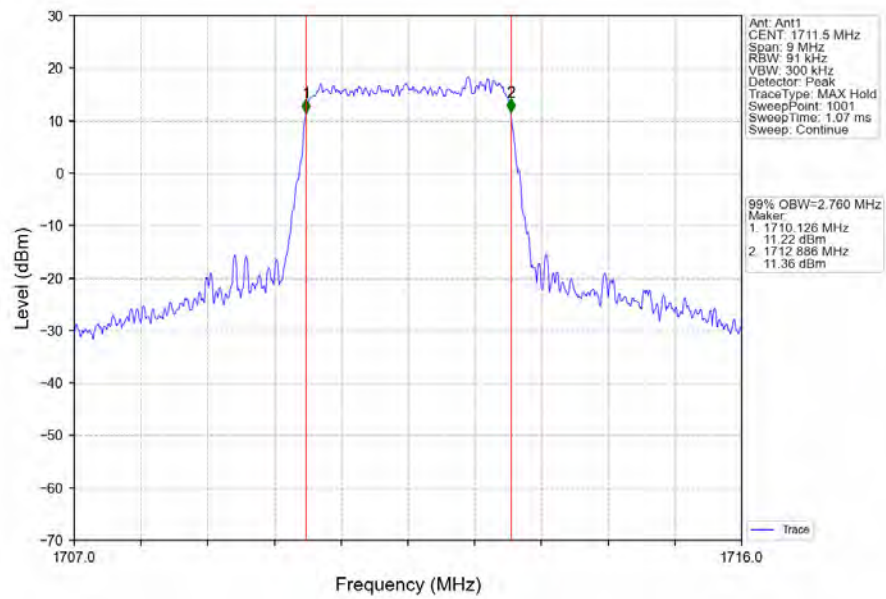
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



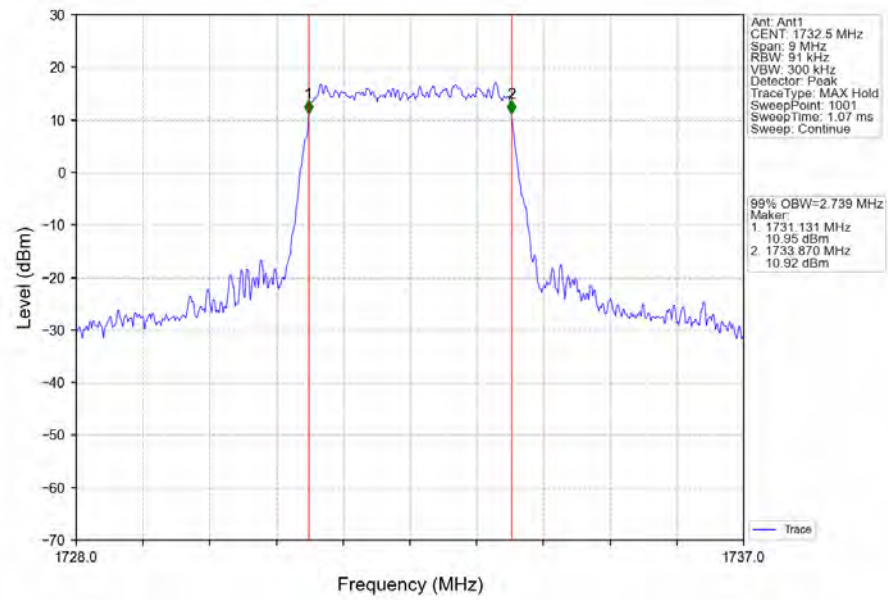
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



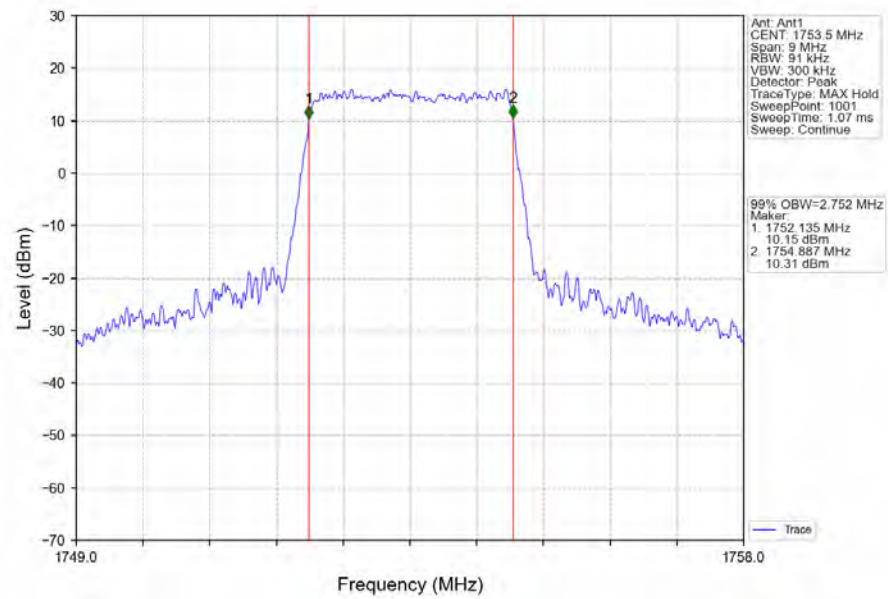
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



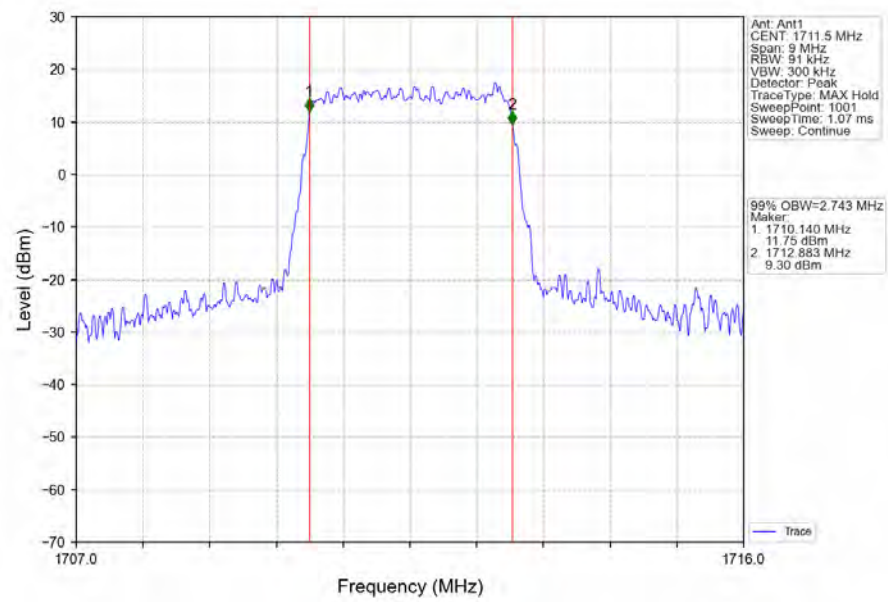
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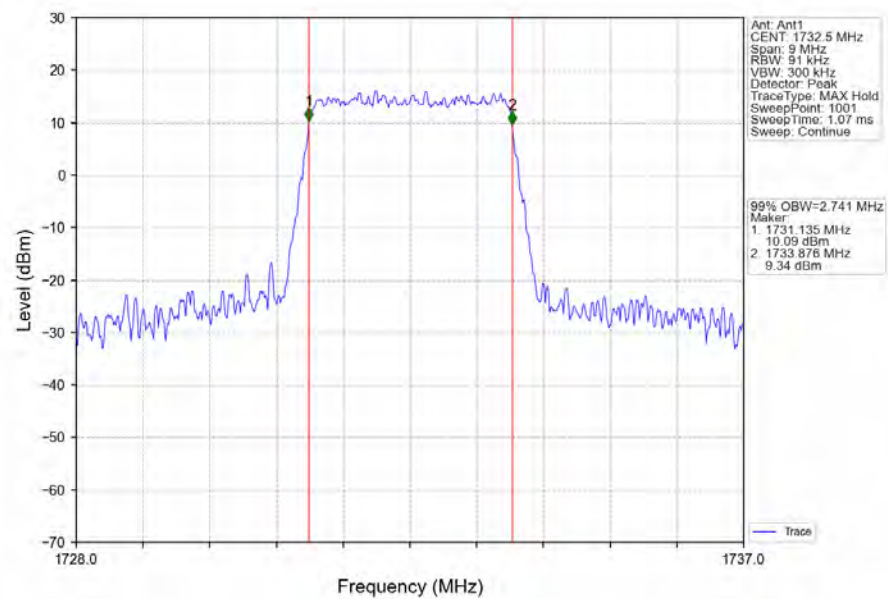
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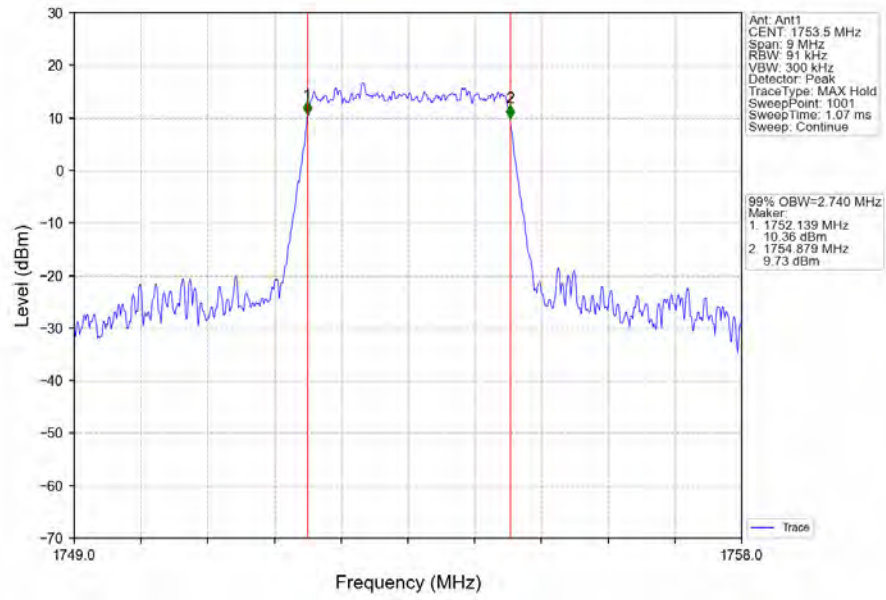
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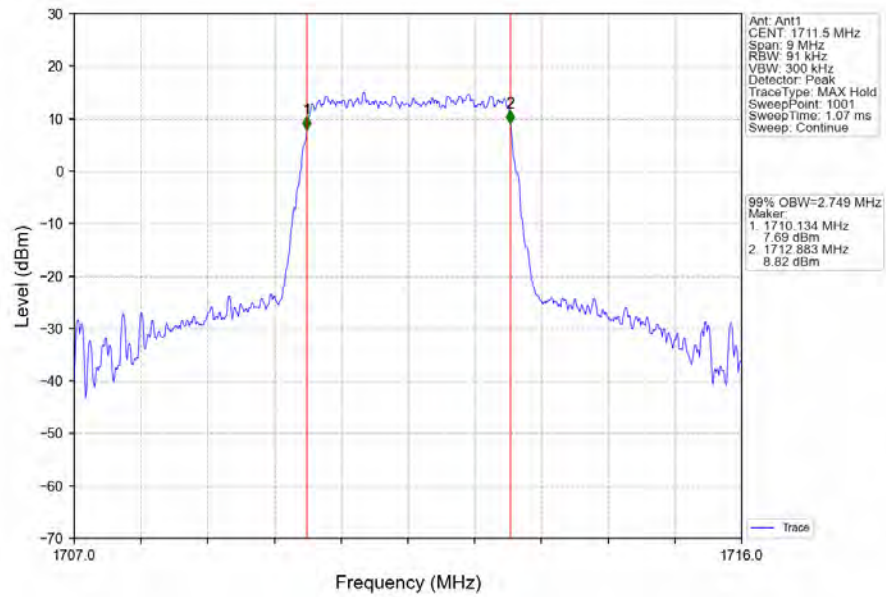
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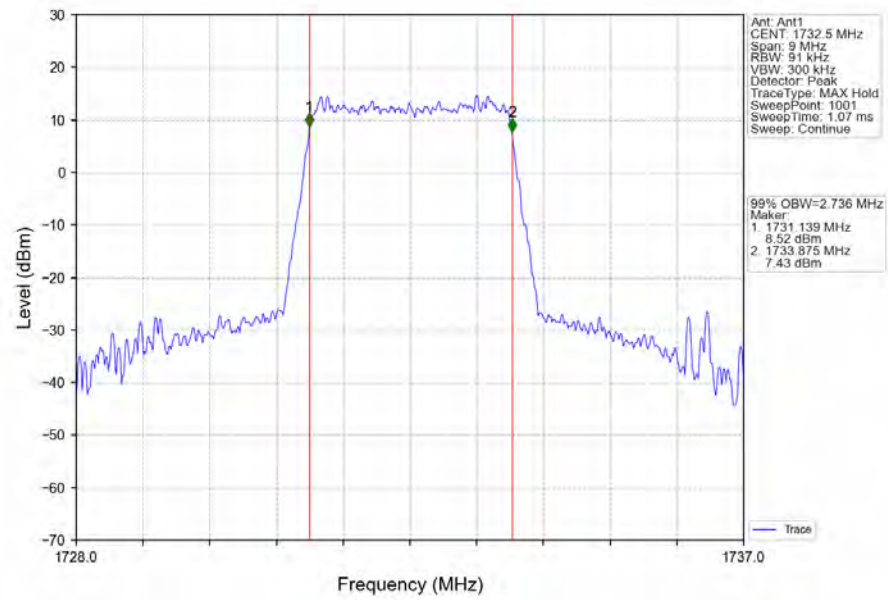
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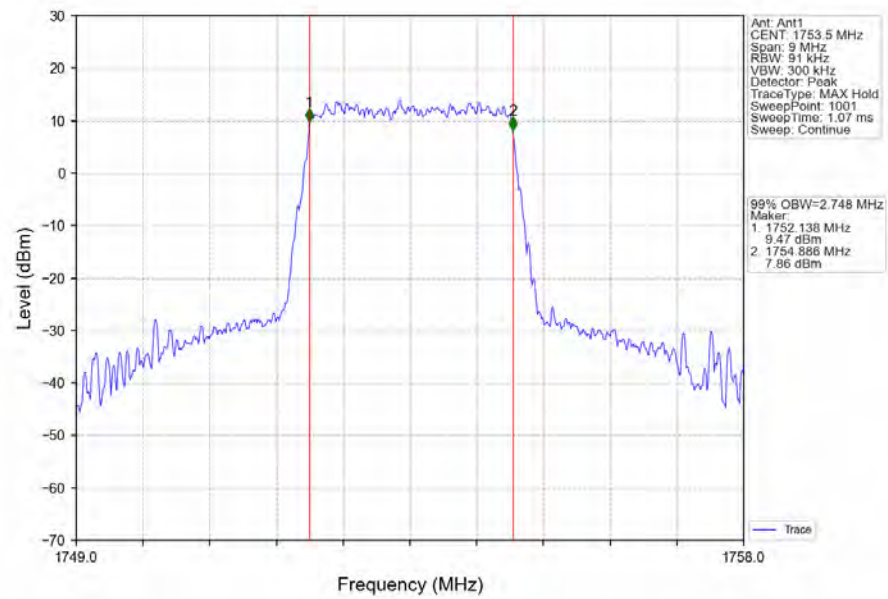
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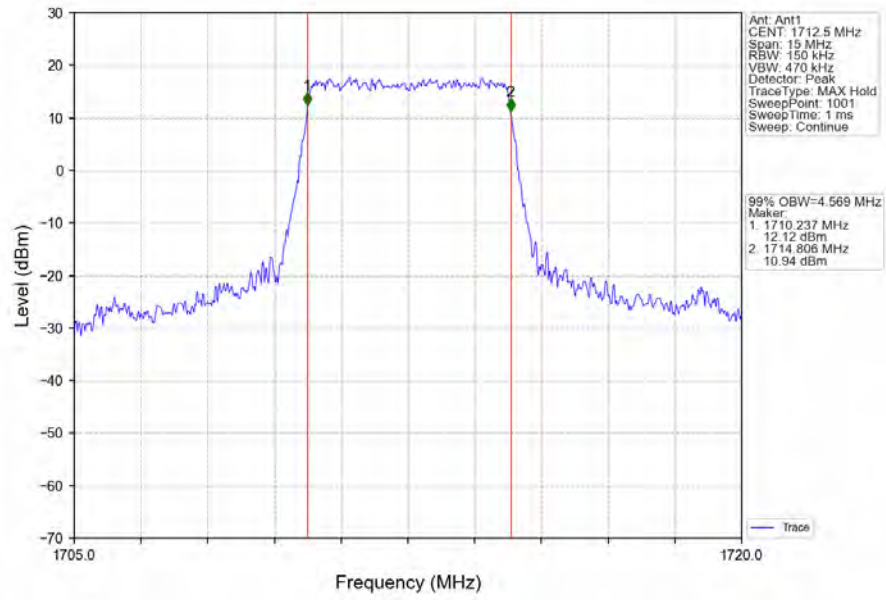
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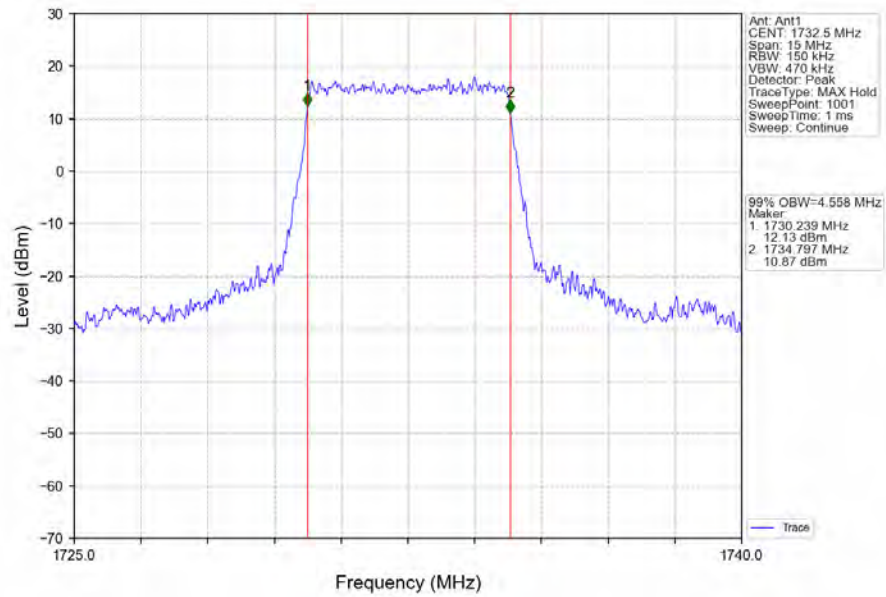
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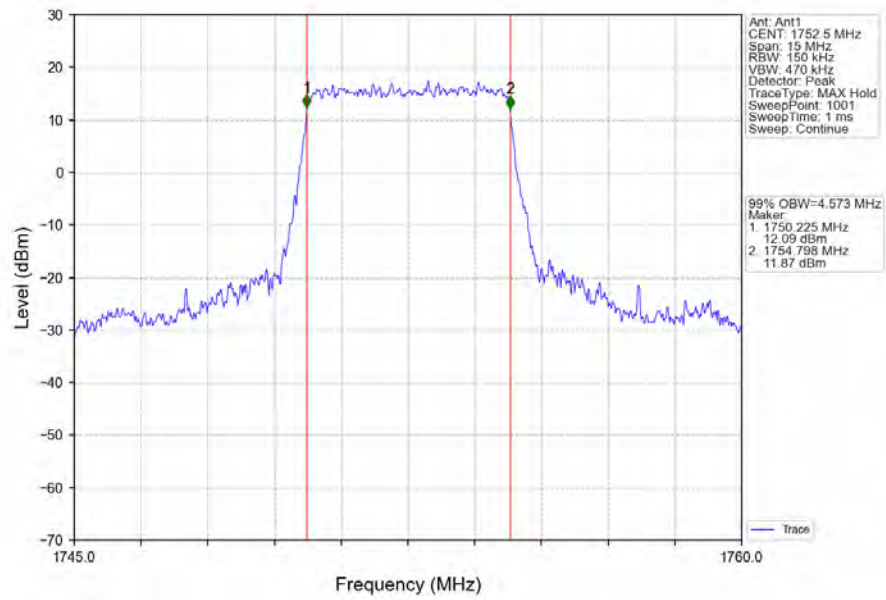
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



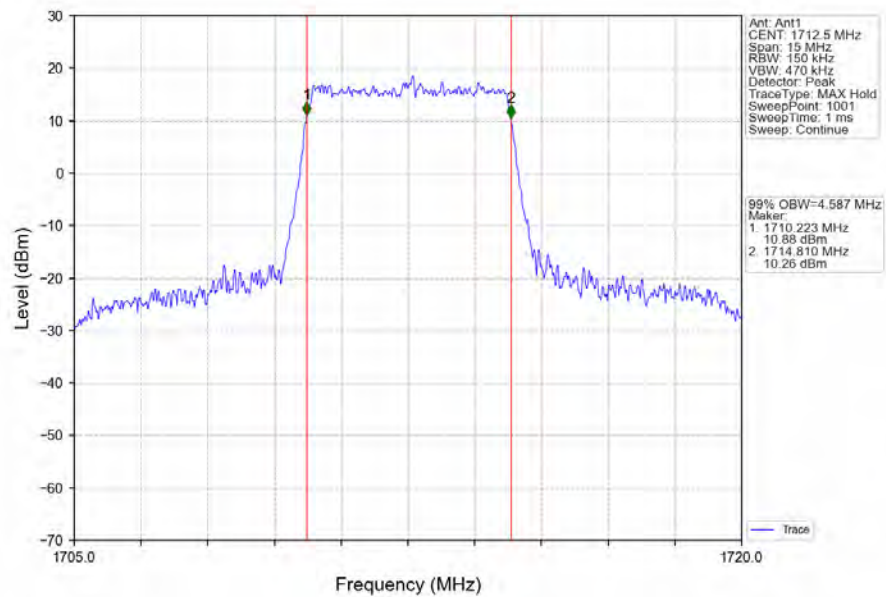
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



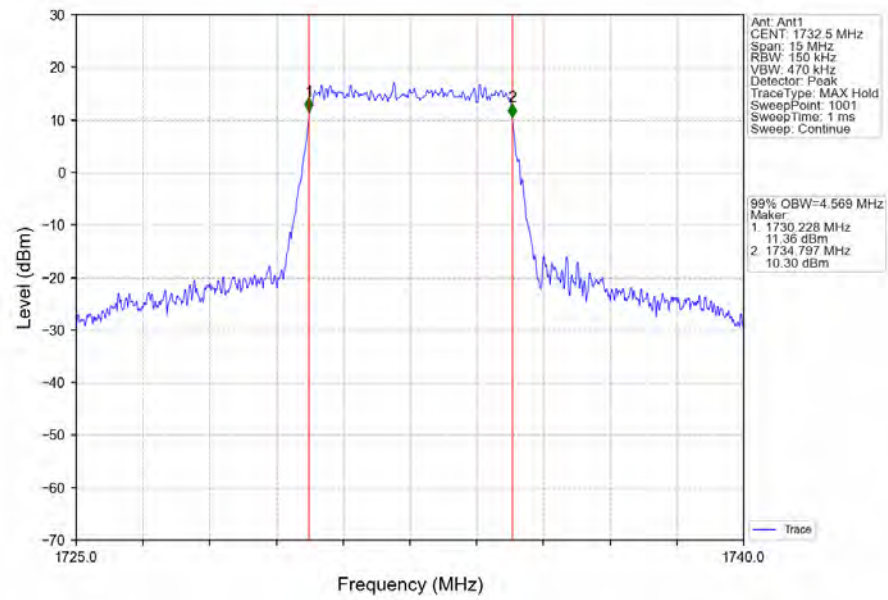
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



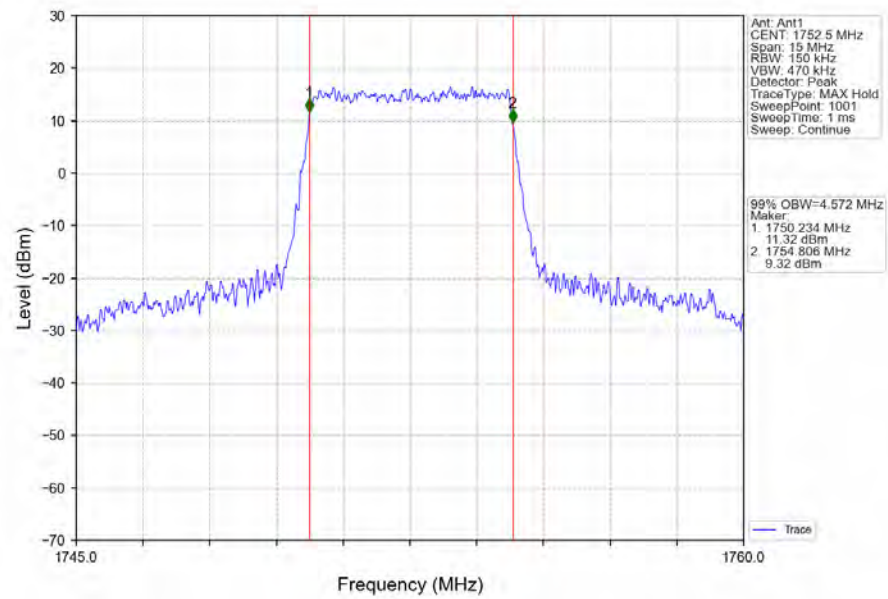
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



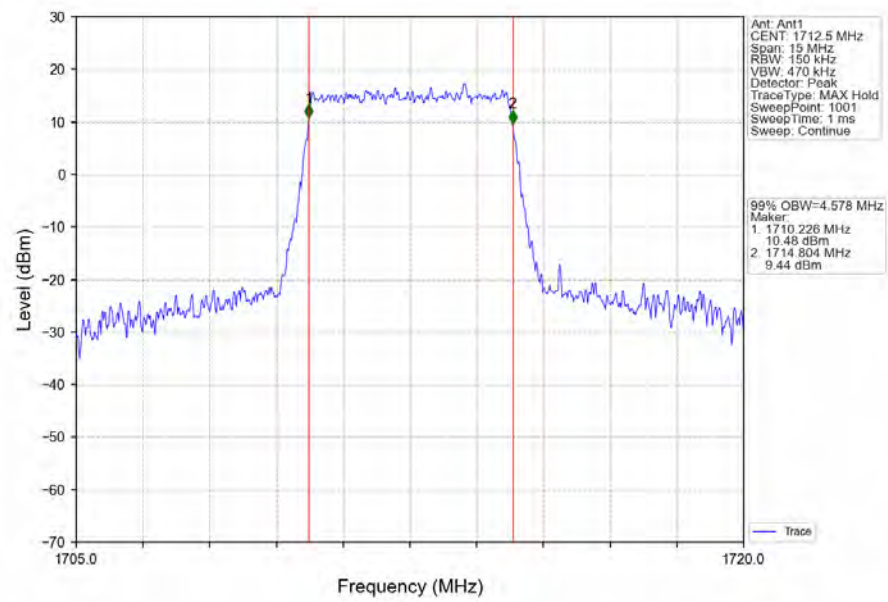
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



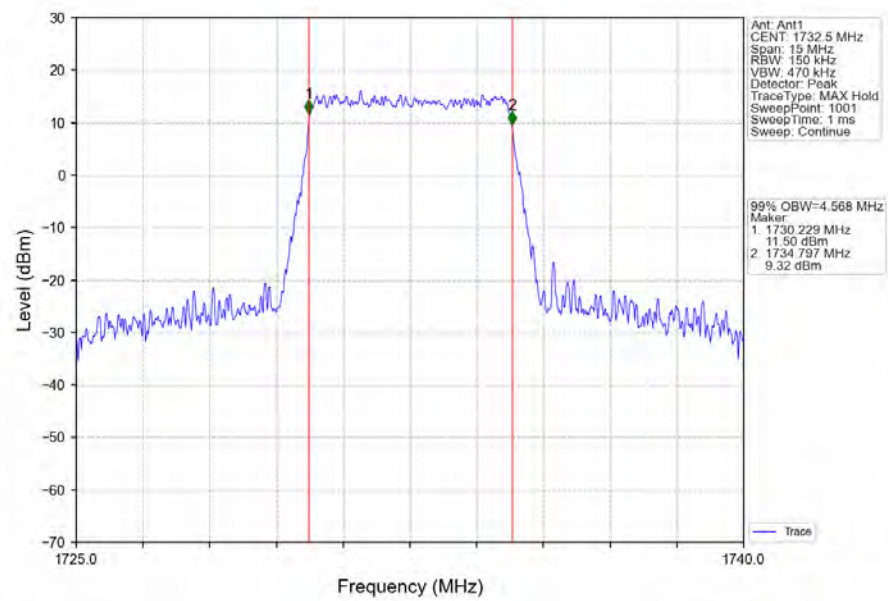
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



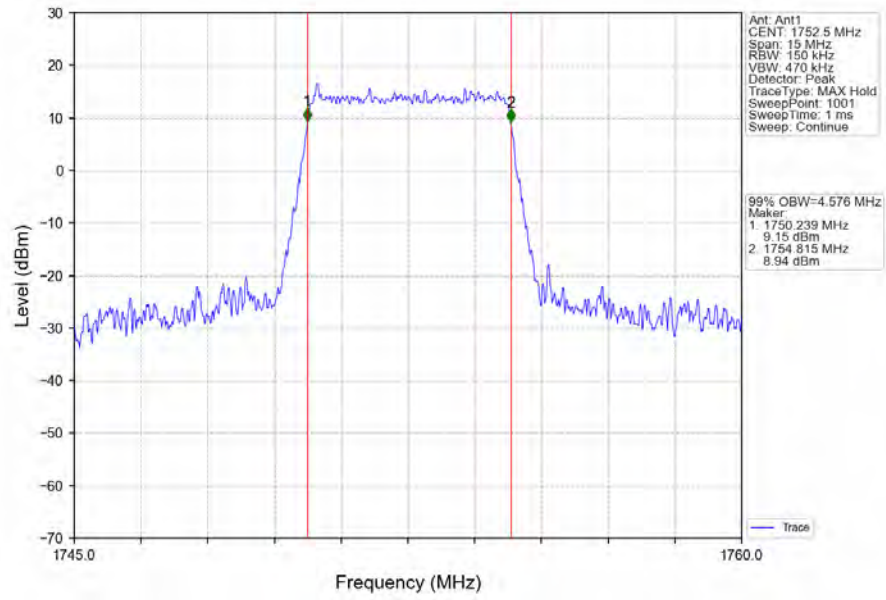
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



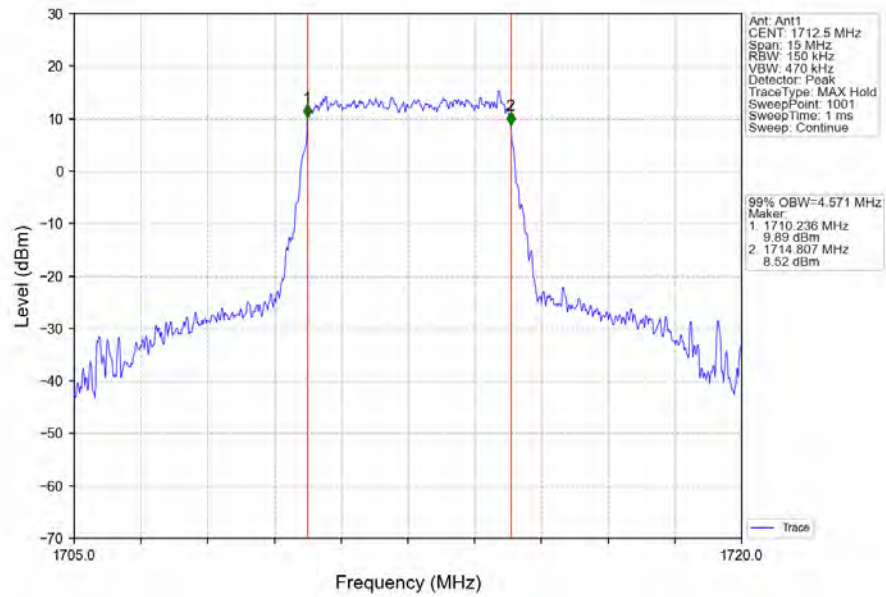
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



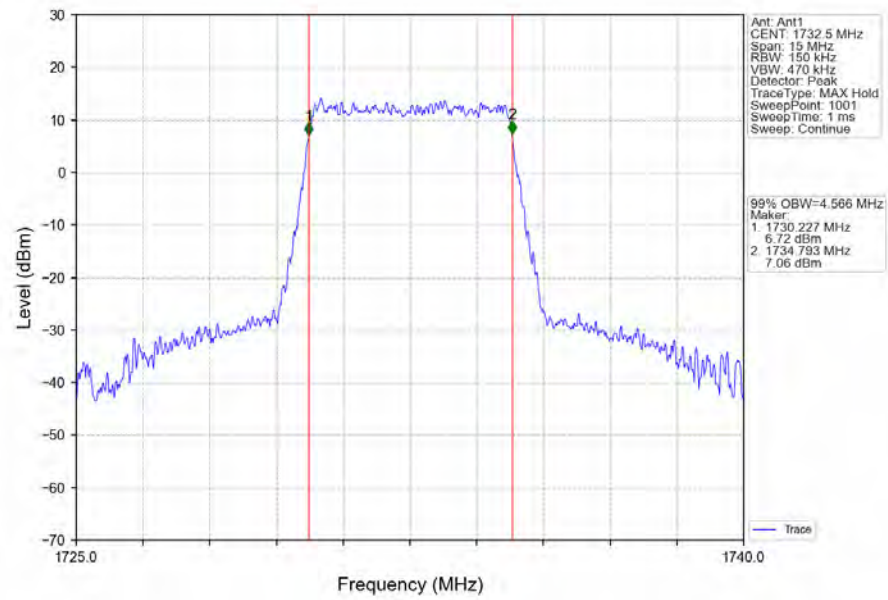
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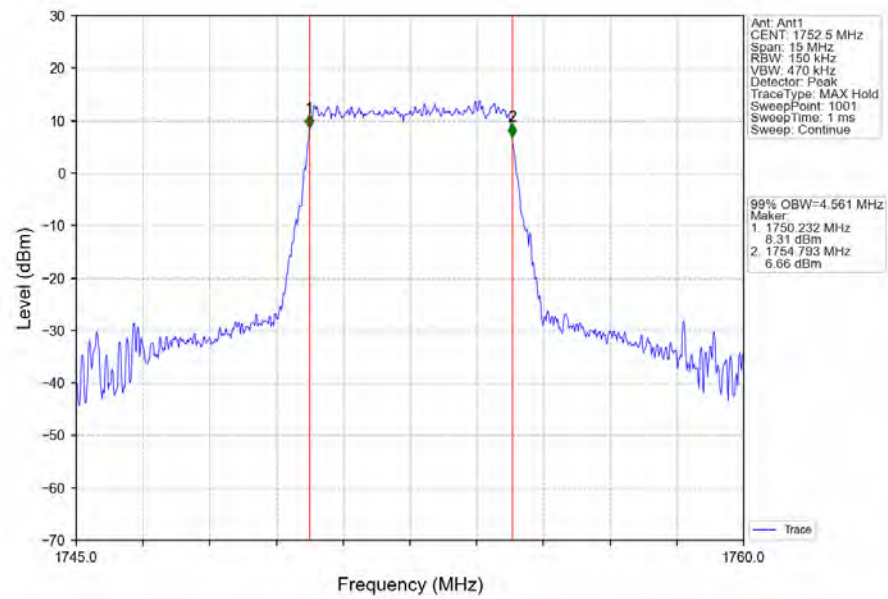
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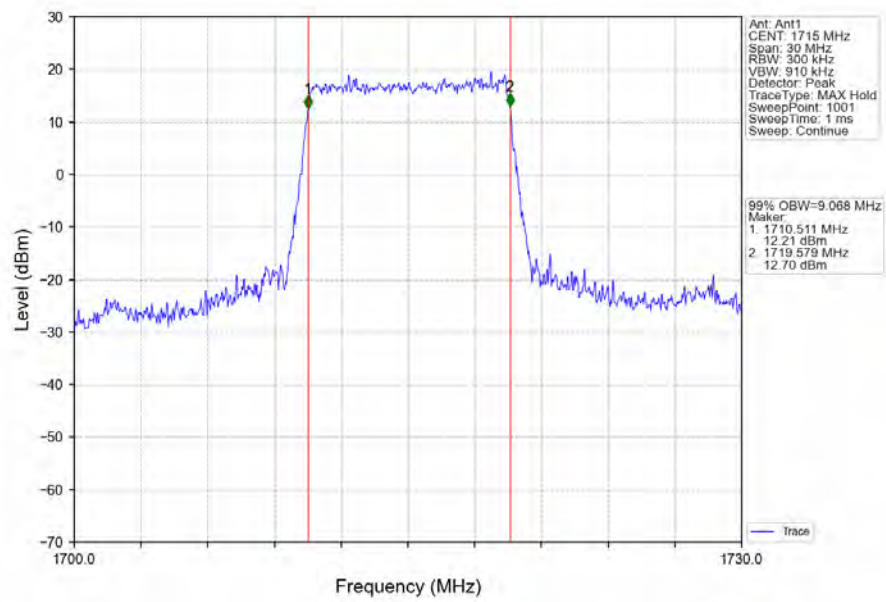
Band4_5MHz_256QAM_MCH_1732.5MHz_RB_25_0_NTNV



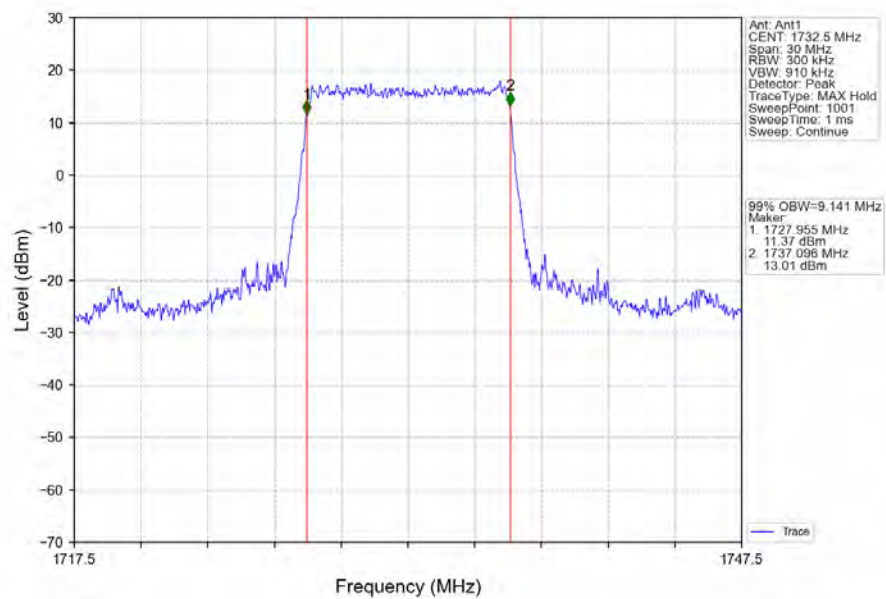
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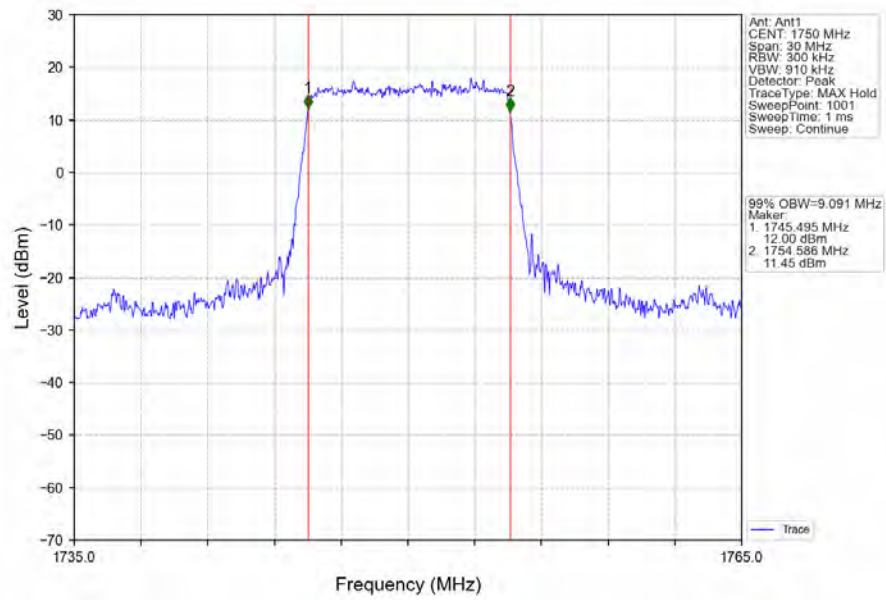
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



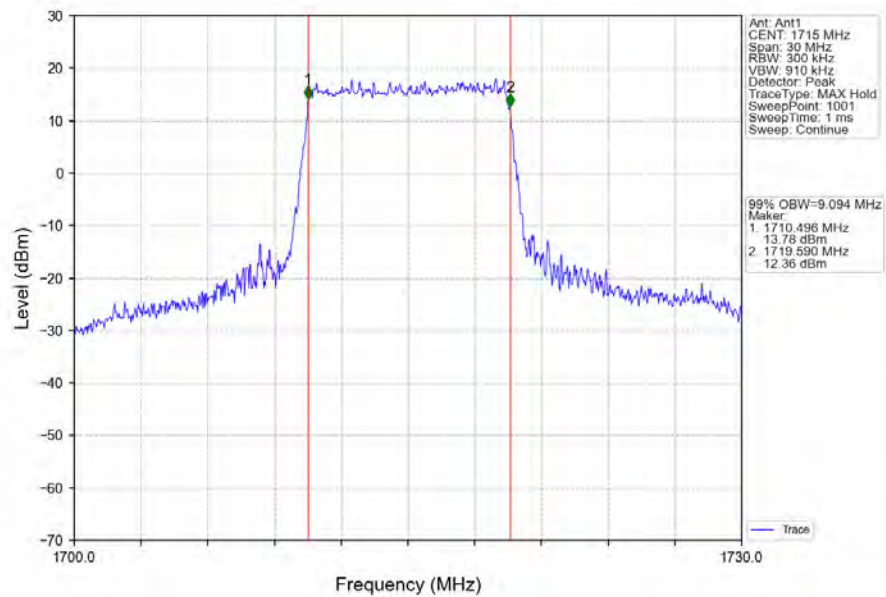
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



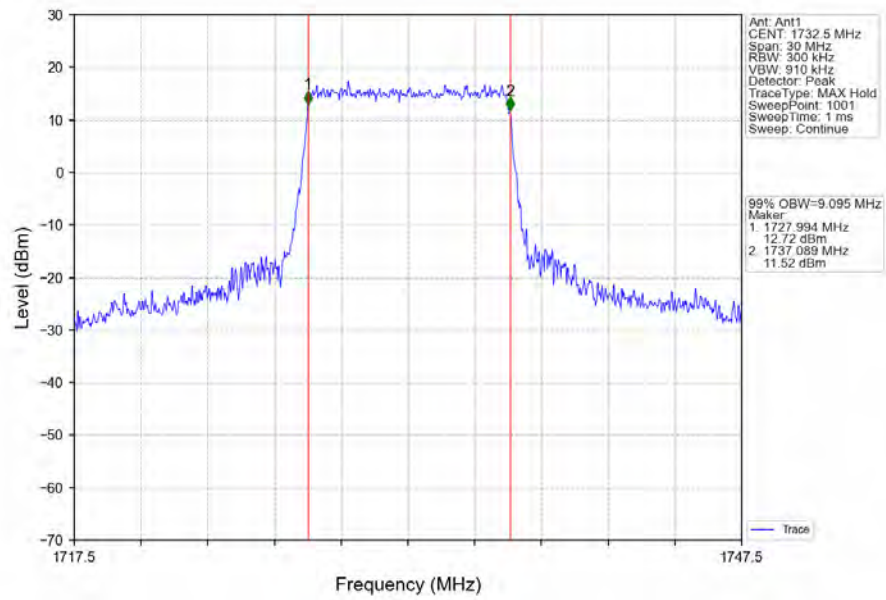
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



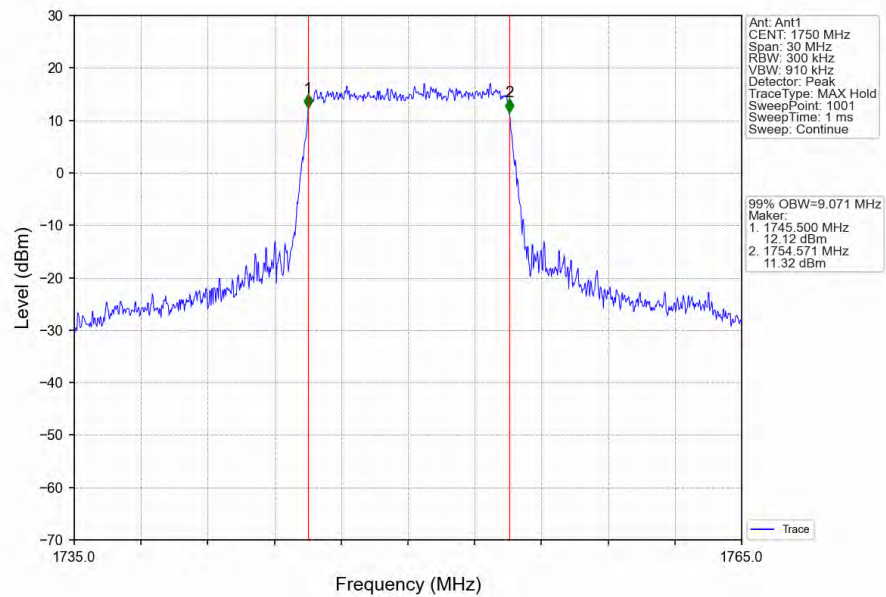
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



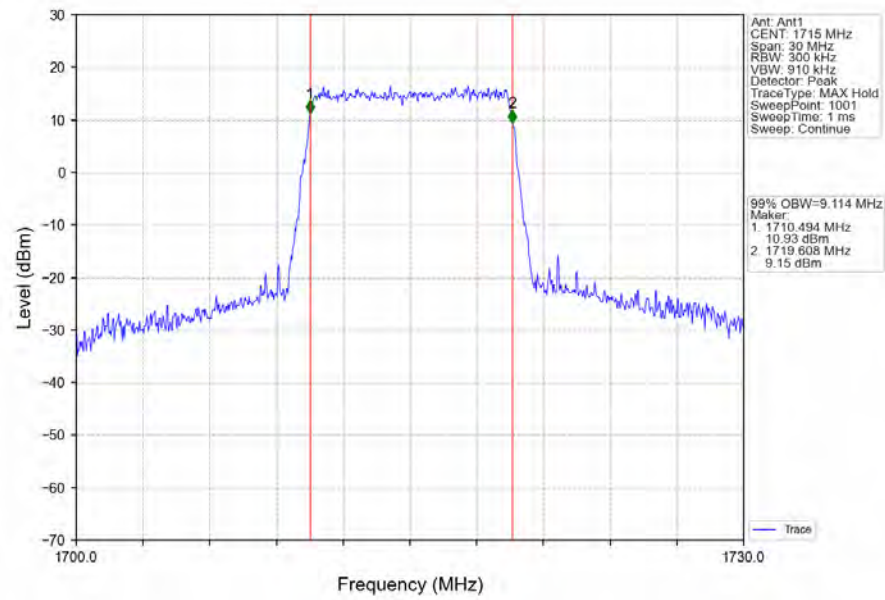
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



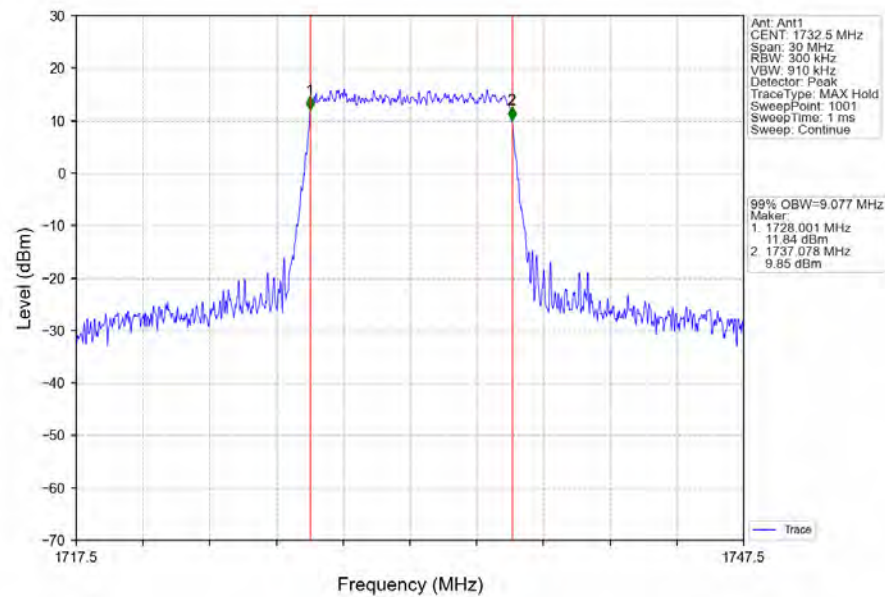
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



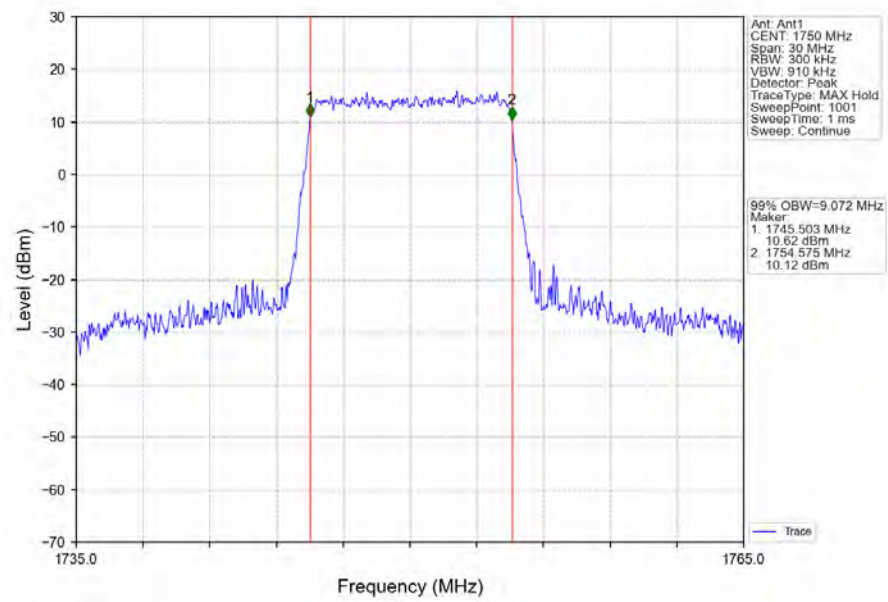
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



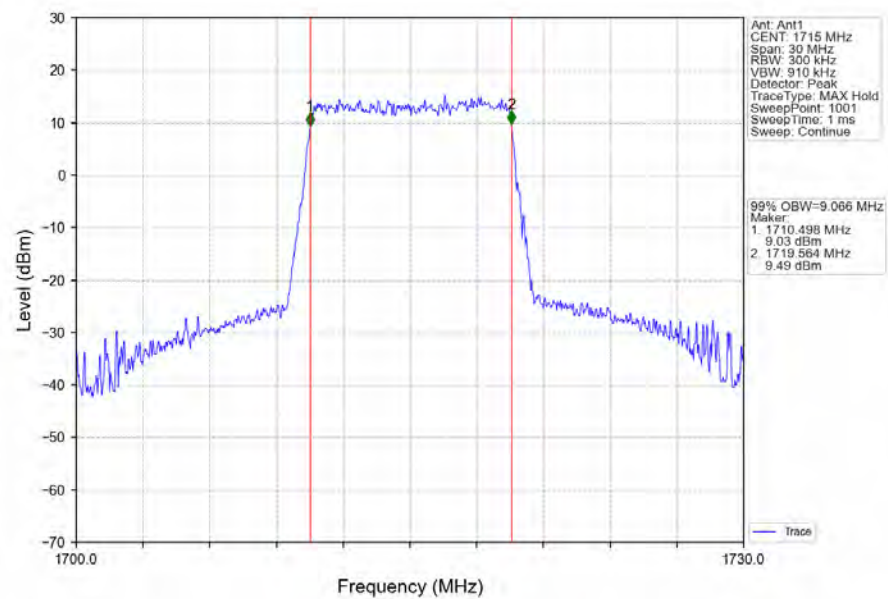
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



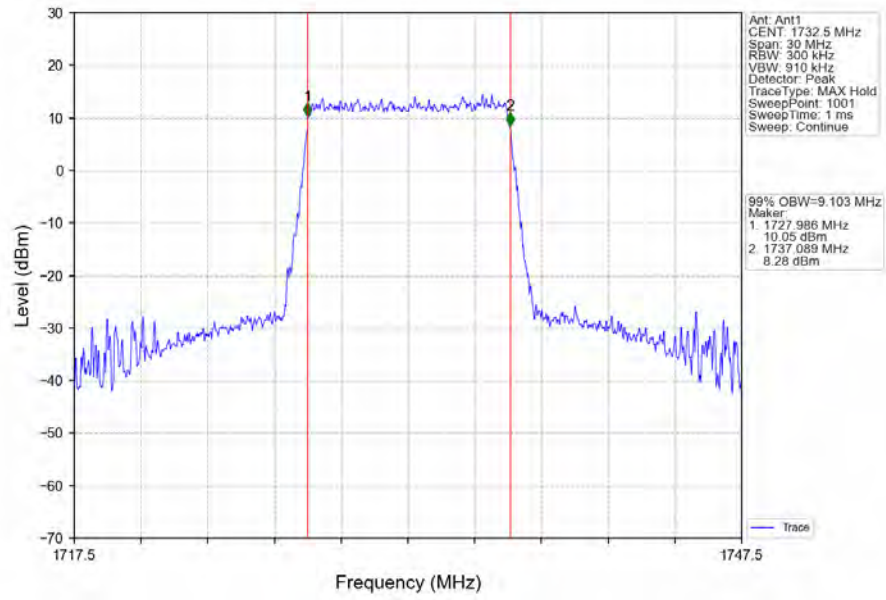
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



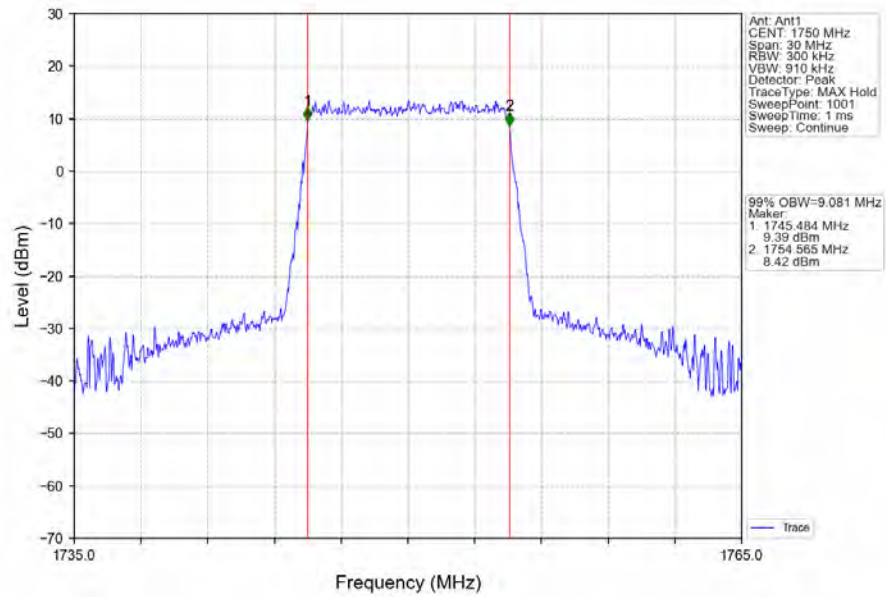
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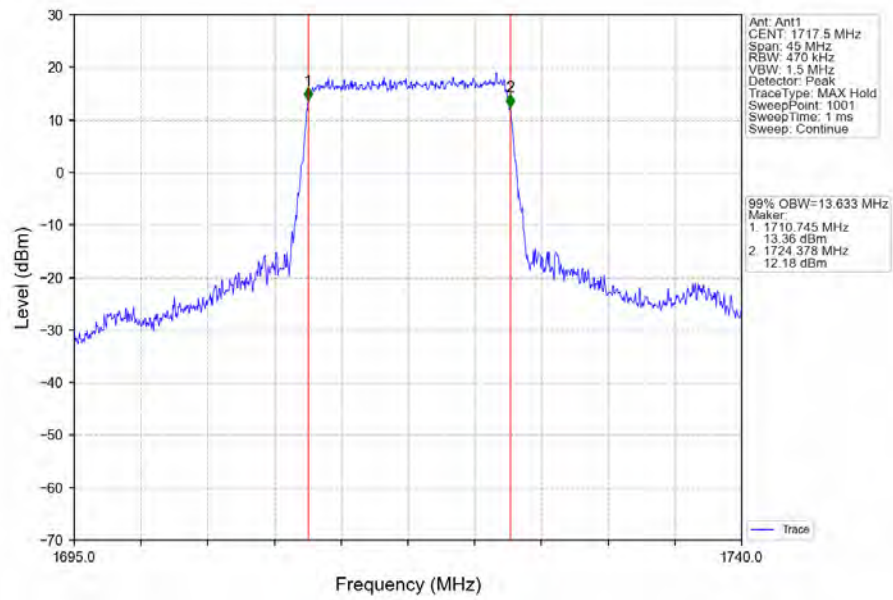
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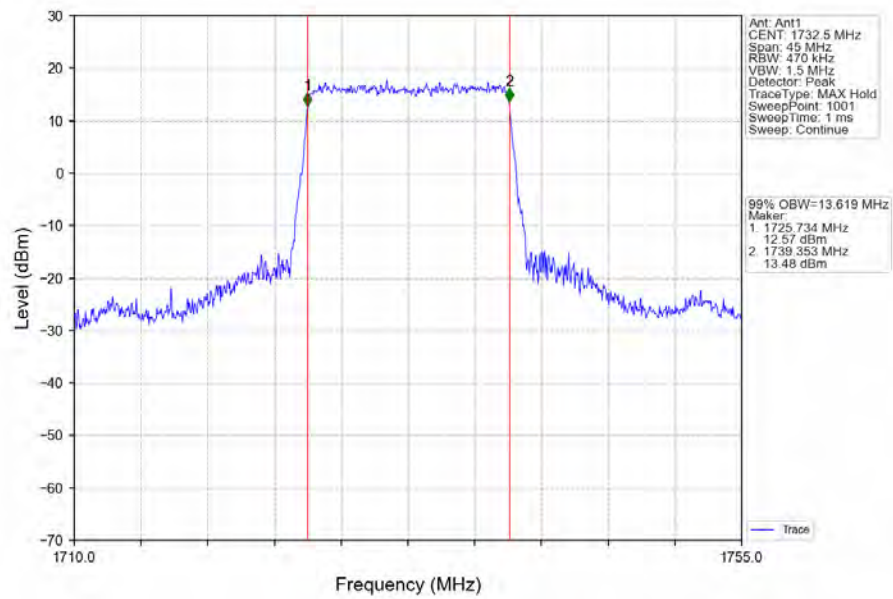
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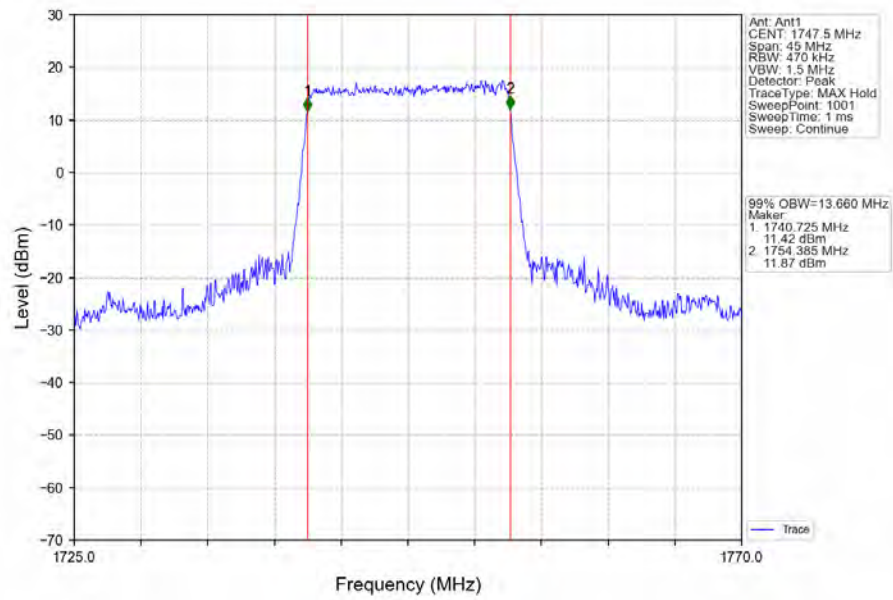
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



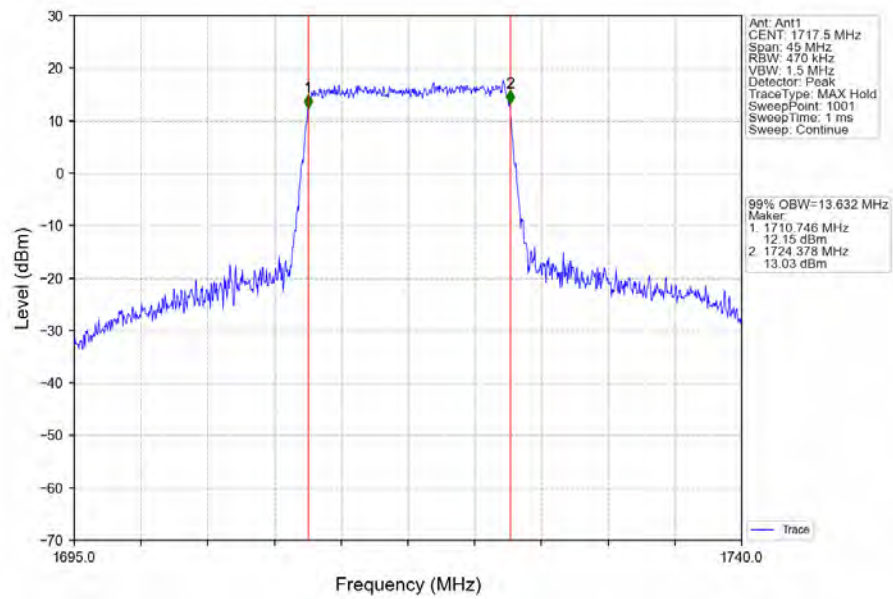
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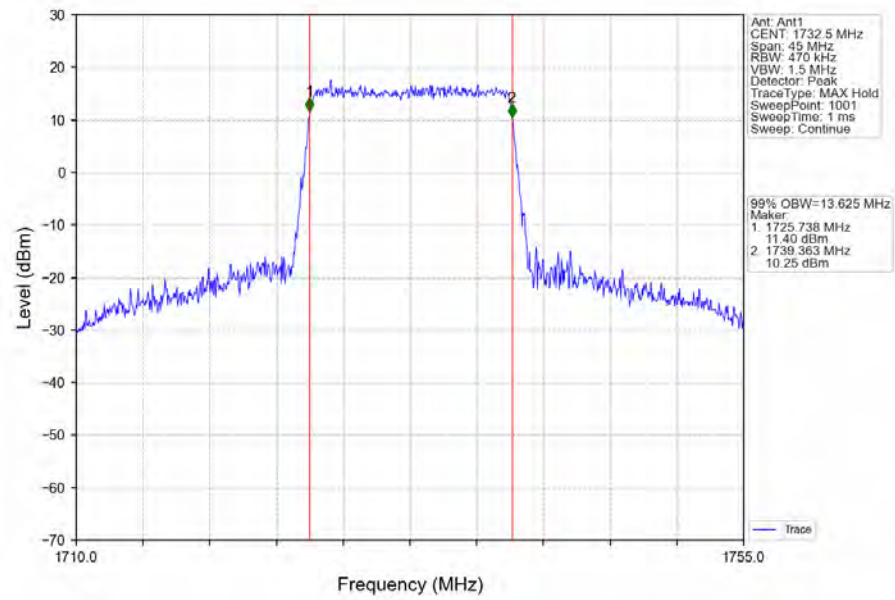
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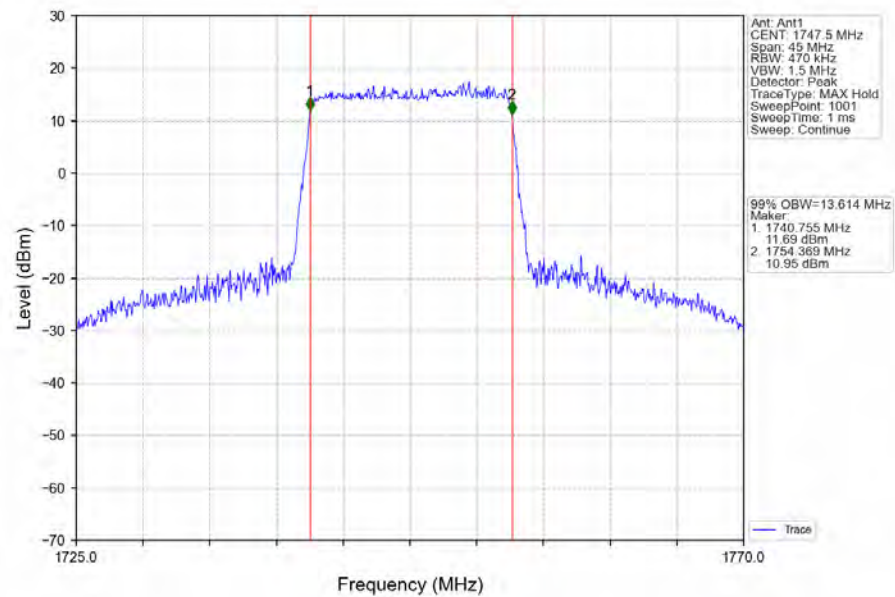
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



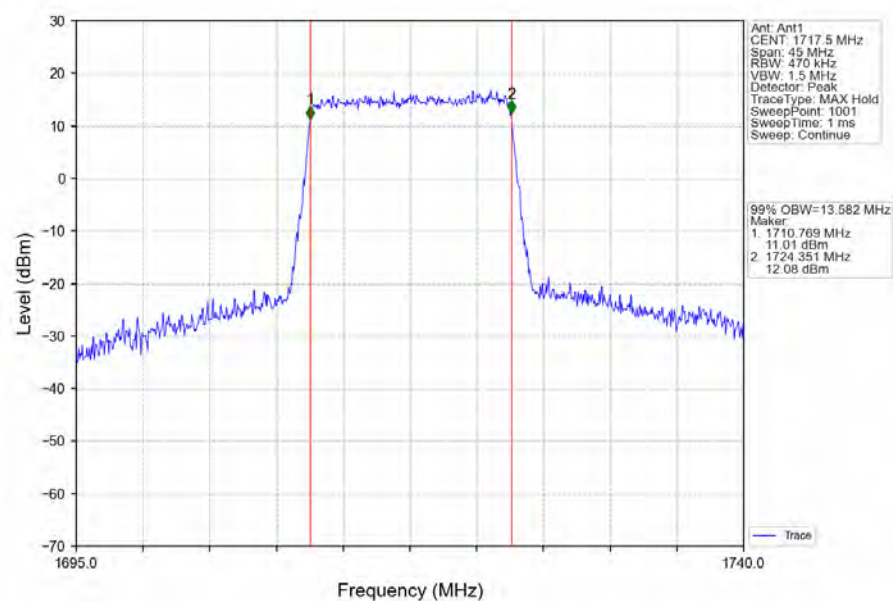
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



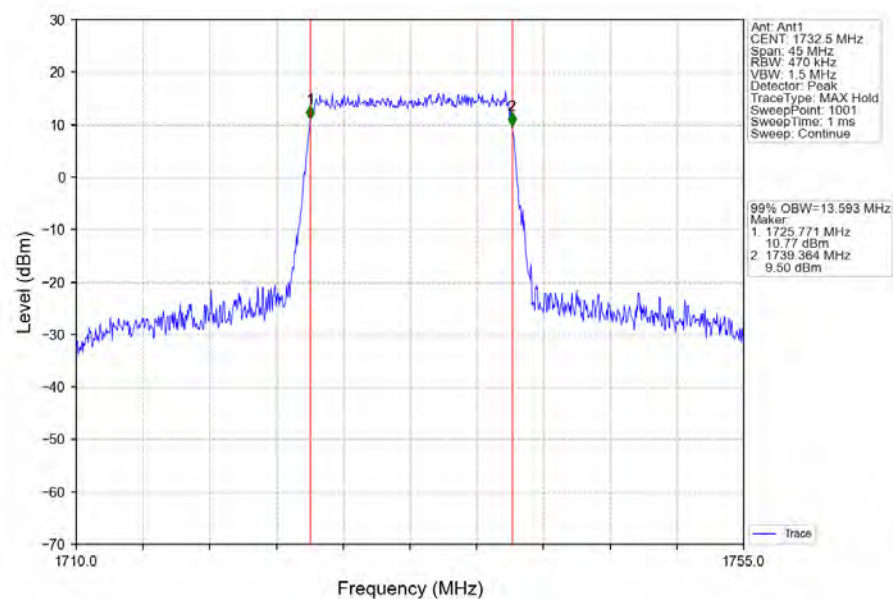
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



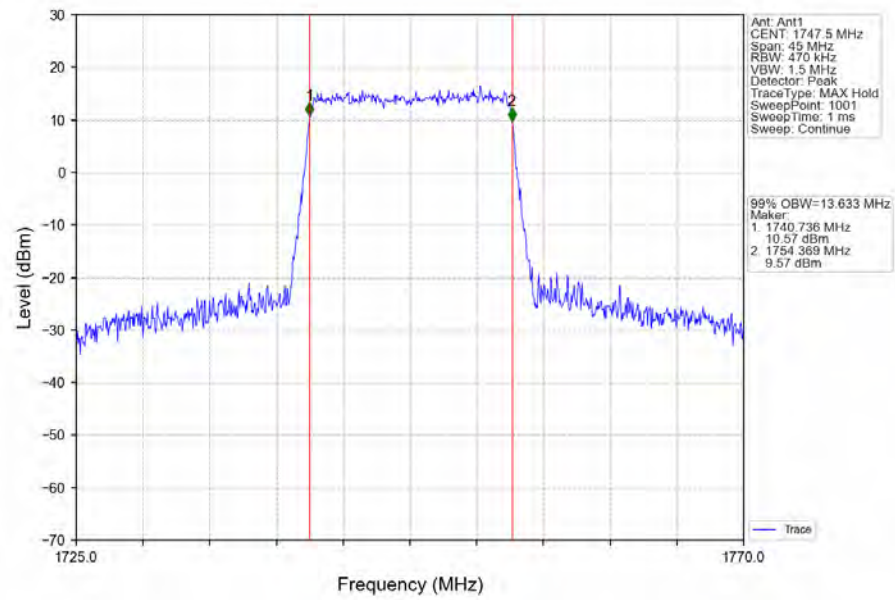
Band4 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTN



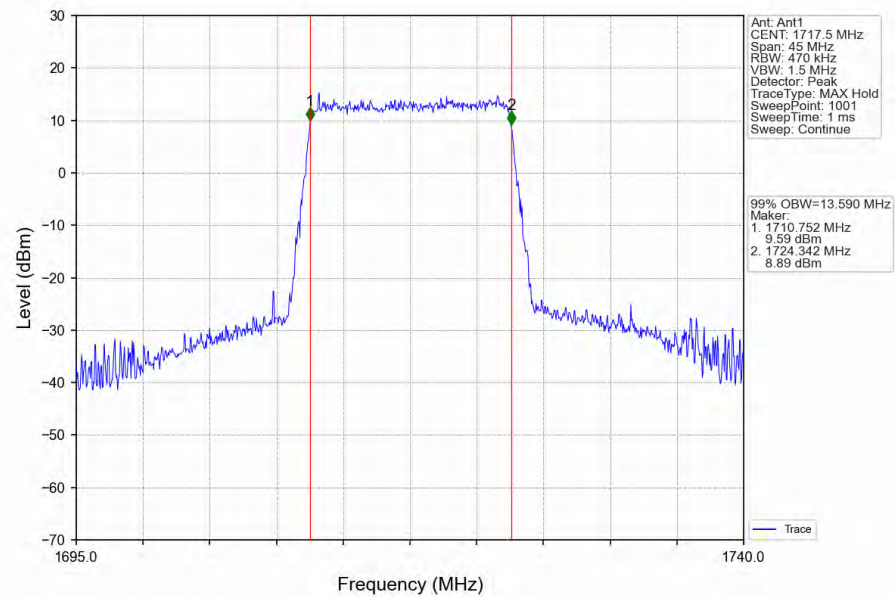
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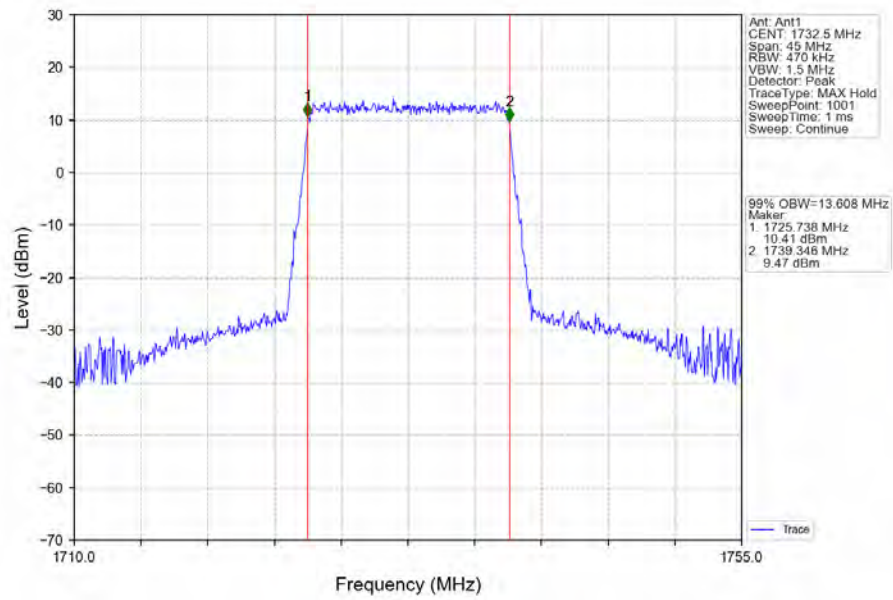
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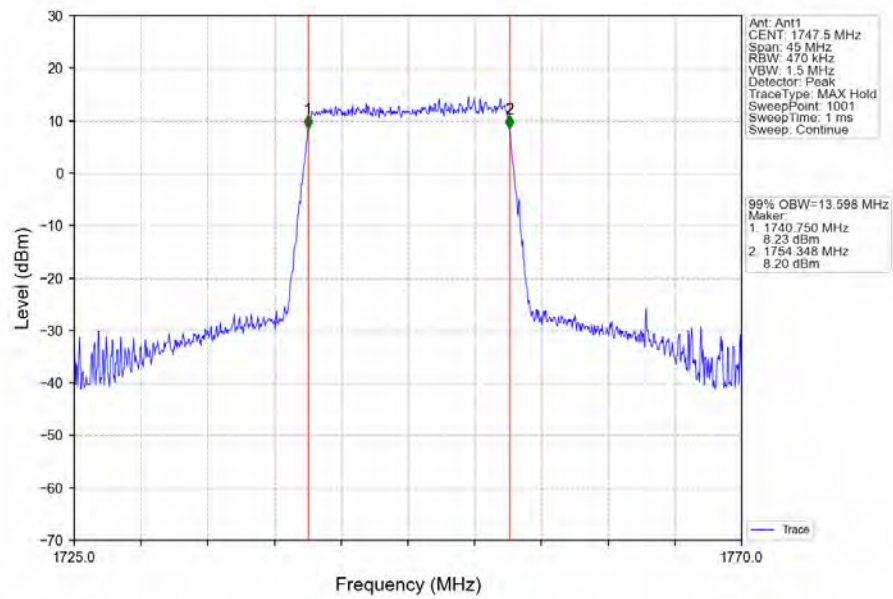
Band4_15MHz_256QAM_LCH_1717.5MHz_RB_75_0_NTNV



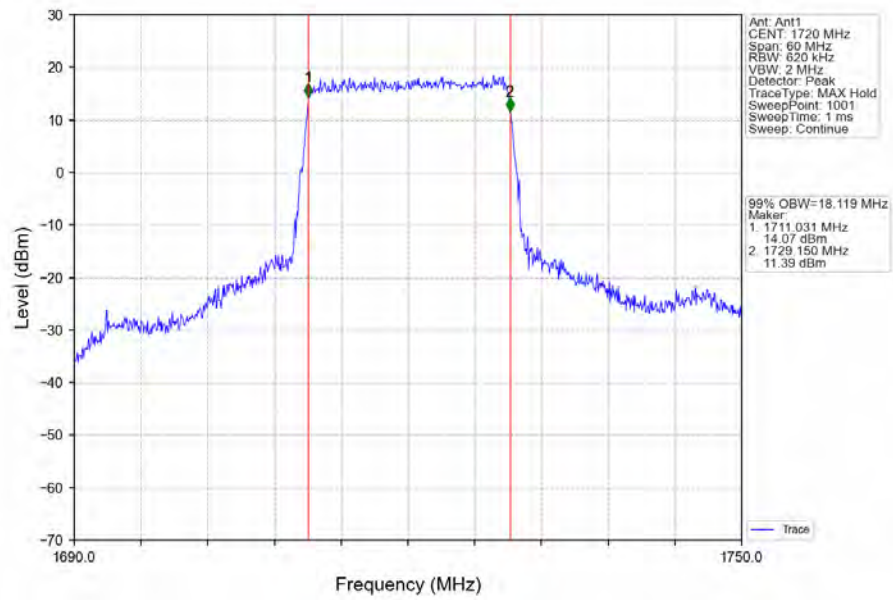
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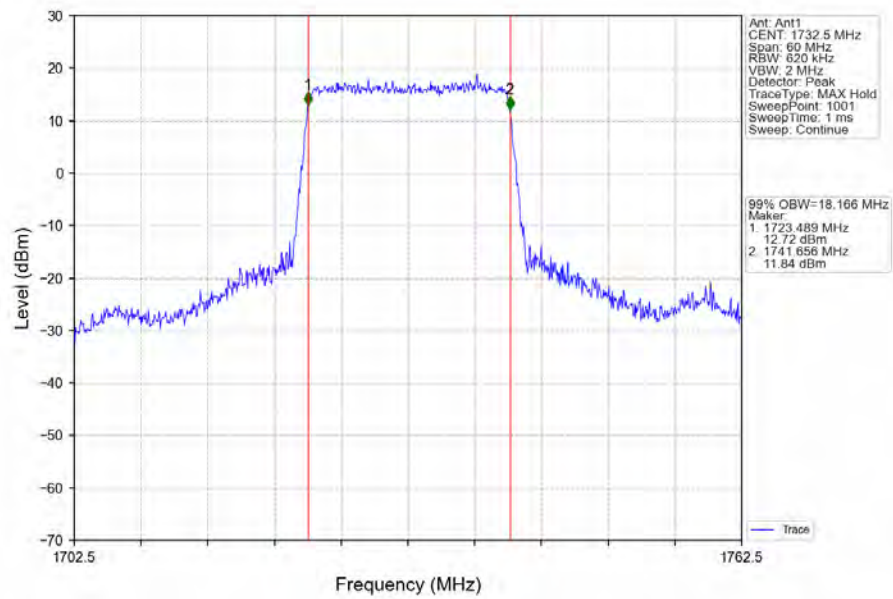
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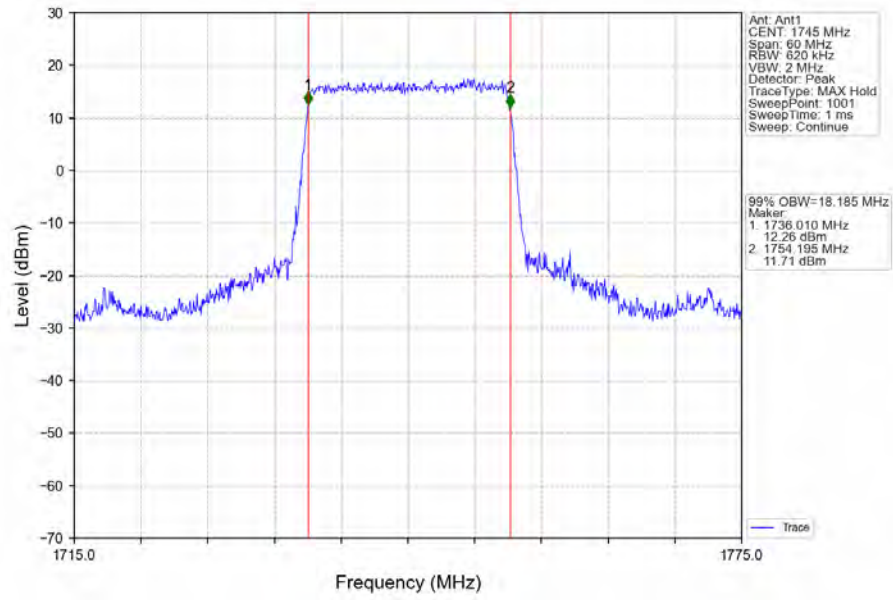
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



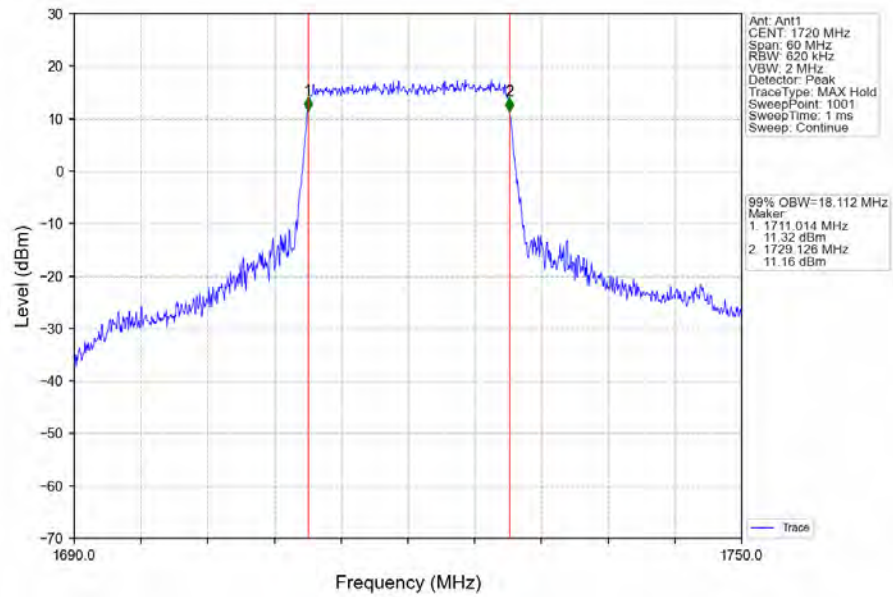
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



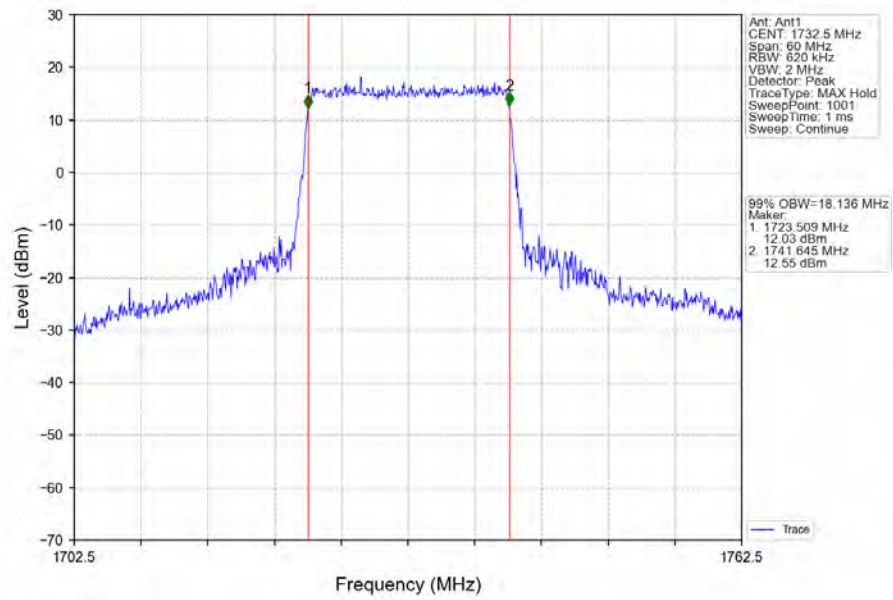
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



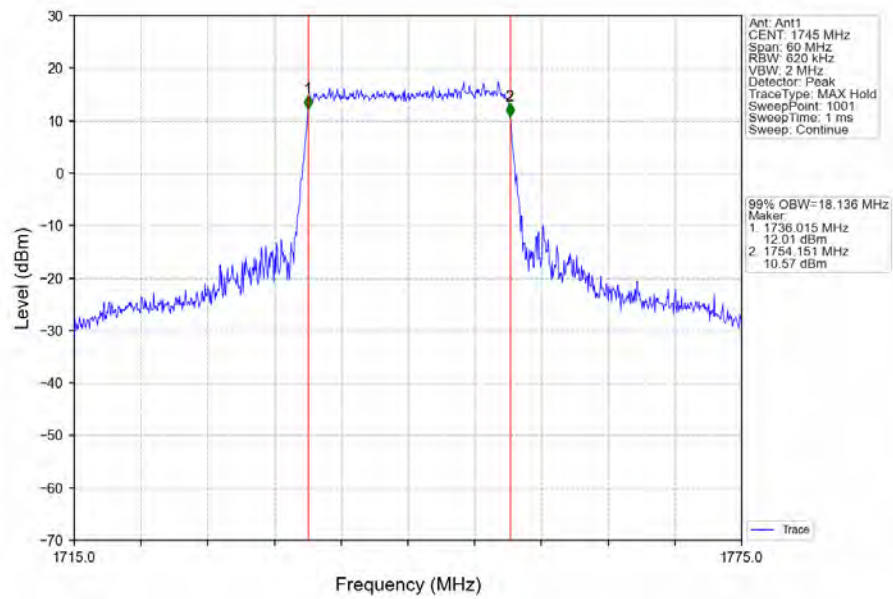
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



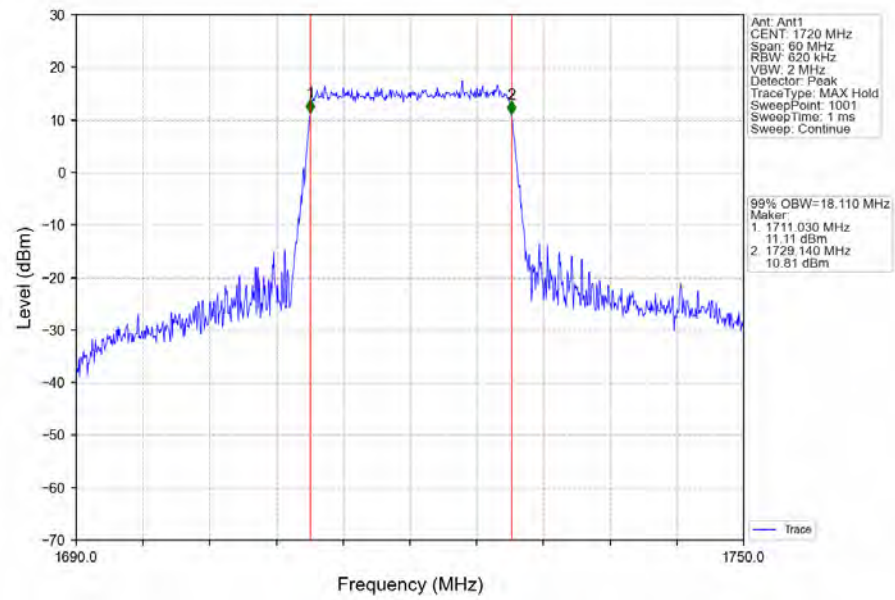
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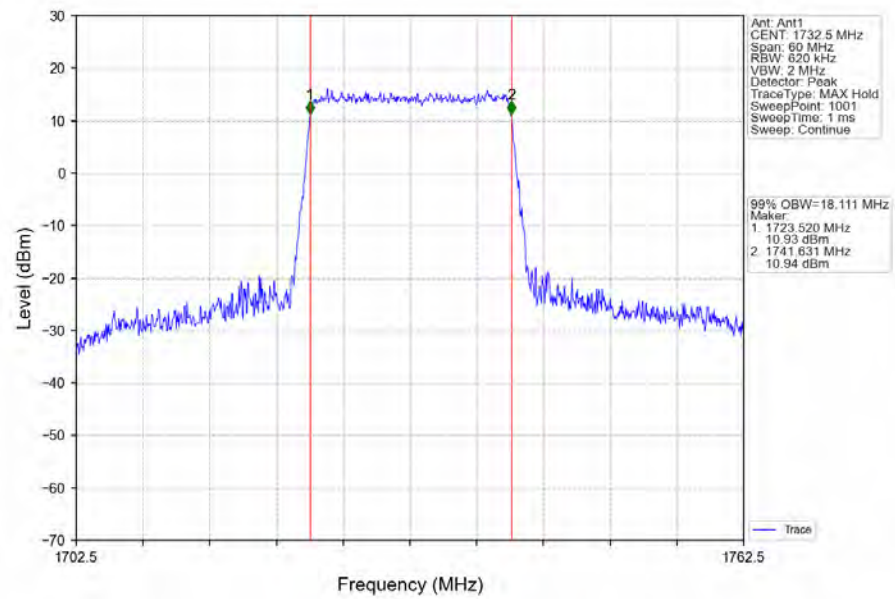
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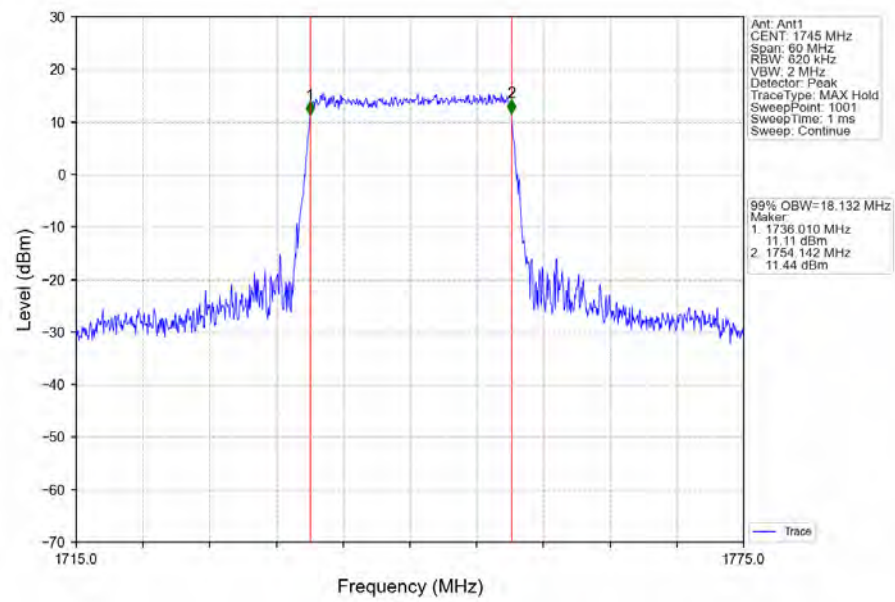
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



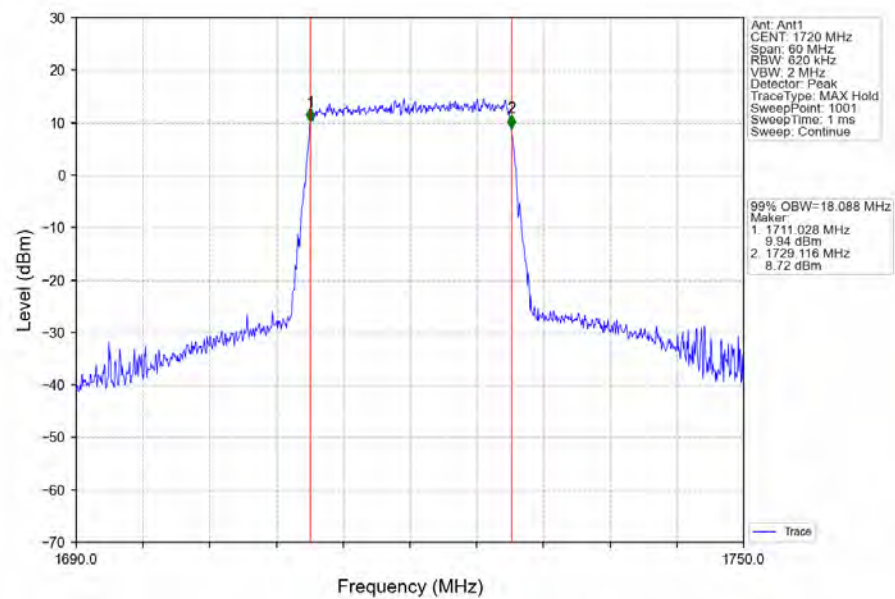
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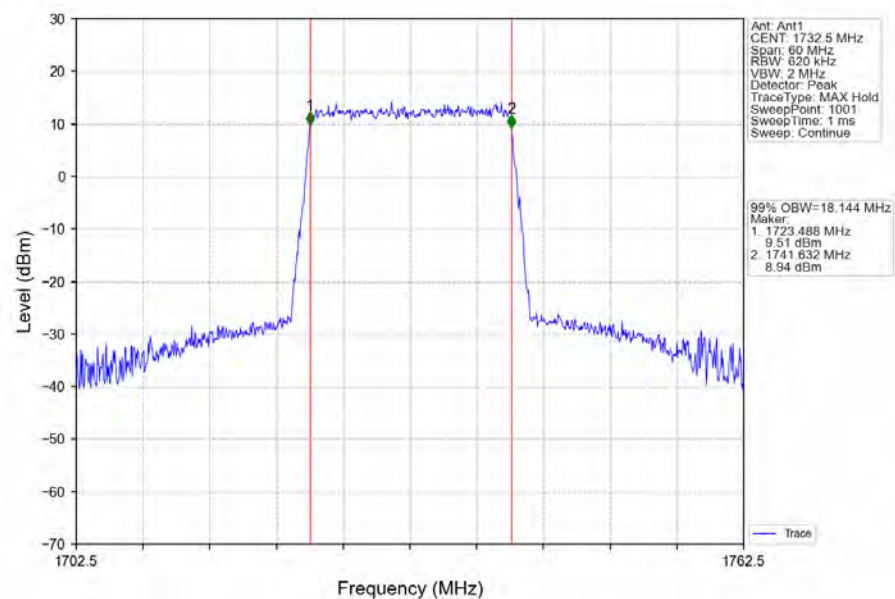
Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



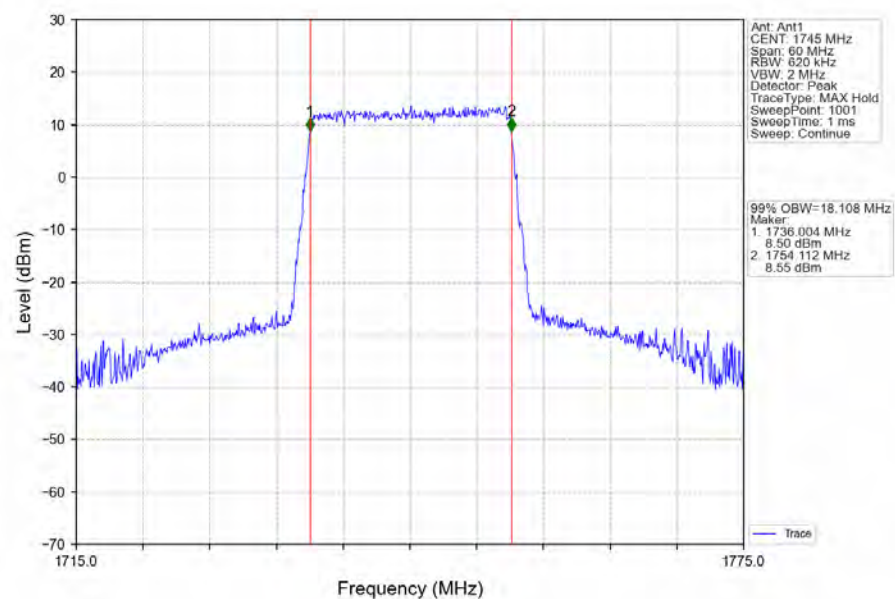
Band4_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



Band4 20MHz 256QAM MCH 1732.5MHz RB 100 0 NTN



Band4 20MHz 256QAM HCH 1745MHz RB 100 0 NTN



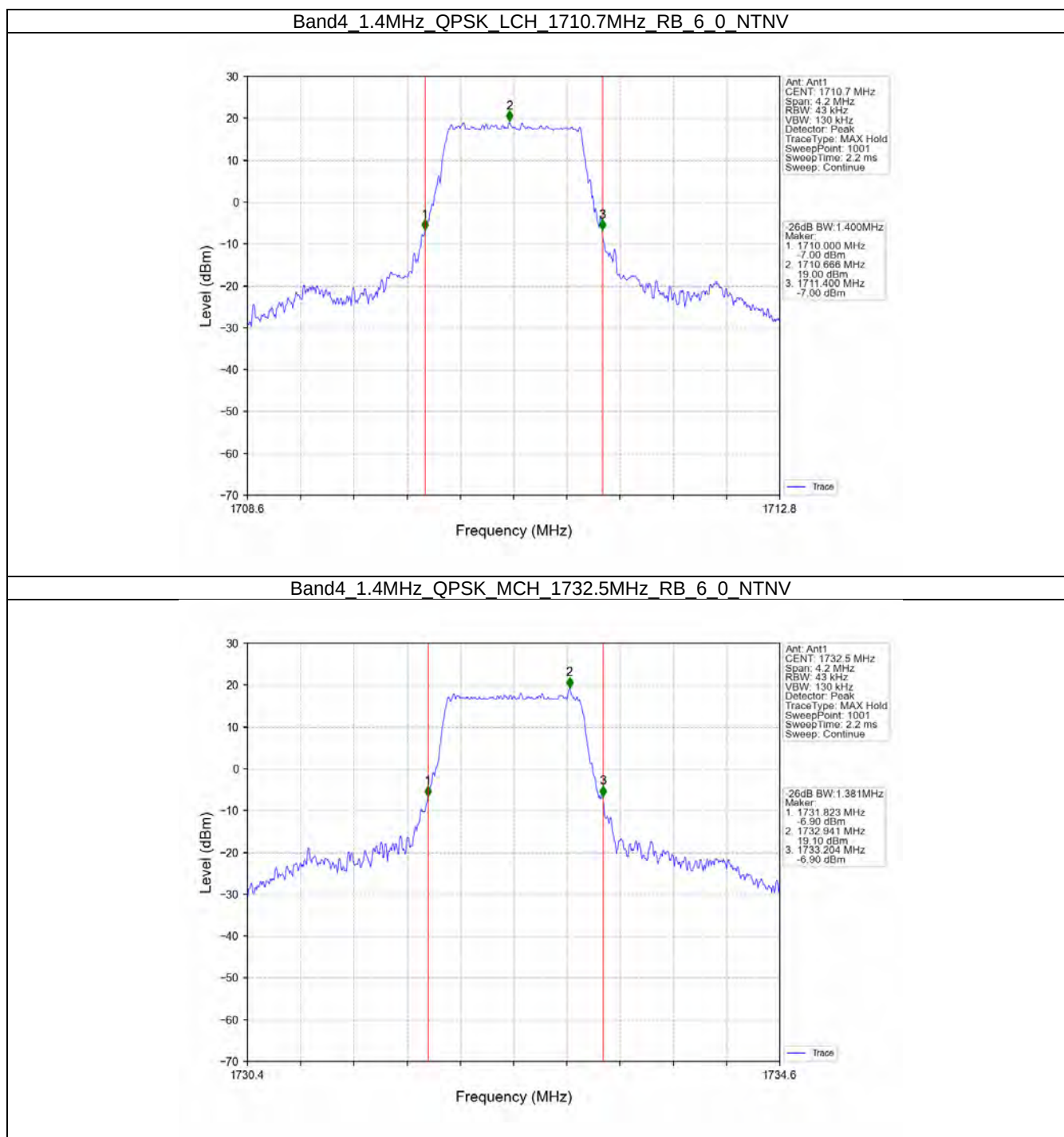
3.2 Band4_XDB

3.2.1 Test Result

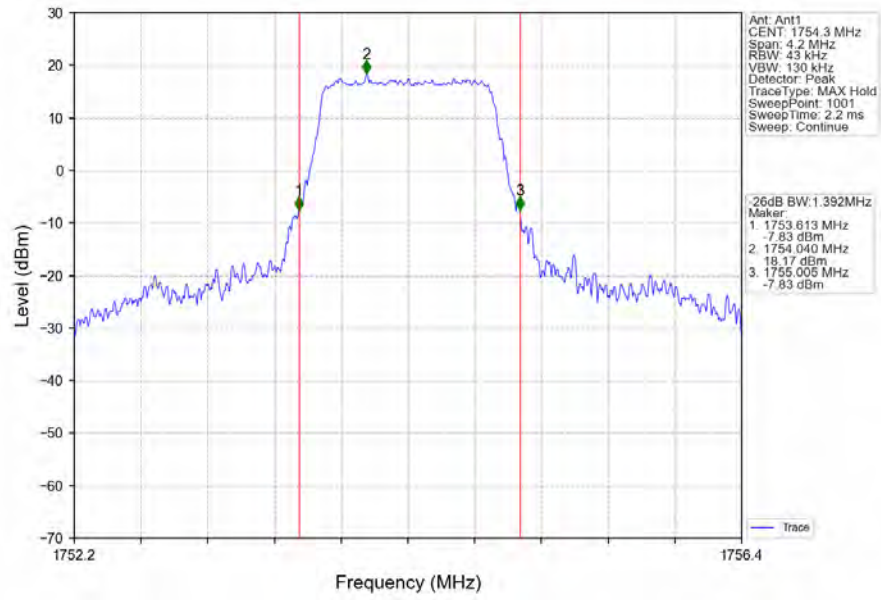
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.400	/	Pass
		1732.5	6	0	1.381	/	Pass
		1754.3	6	0	1.392	/	Pass
	16QAM	1710.7	6	0	1.400	/	Pass
		1732.5	6	0	1.387	/	Pass
		1754.3	6	0	1.403	/	Pass
	64QAM	1710.7	6	0	1.400	/	Pass
		1732.5	6	0	1.382	/	Pass
		1754.3	6	0	1.391	/	Pass
	256QAM	1710.7	6	0	1.410	/	Pass
		1732.5	6	0	1.397	/	Pass
		1754.3	6	0	1.382	/	Pass
3	QPSK	1711.5	15	0	3.102	/	Pass
		1732.5	15	0	3.163	/	Pass
		1753.5	15	0	3.122	/	Pass
	16QAM	1711.5	15	0	3.117	/	Pass
		1732.5	15	0	3.126	/	Pass
		1753.5	15	0	3.142	/	Pass
	64QAM	1711.5	15	0	3.094	/	Pass
		1732.5	15	0	3.127	/	Pass
		1753.5	15	0	3.123	/	Pass
	256QAM	1711.5	15	0	3.127	/	Pass
		1732.5	15	0	3.126	/	Pass
		1753.5	15	0	3.113	/	Pass
5	QPSK	1712.5	25	0	5.277	/	Pass
		1732.5	25	0	5.264	/	Pass
		1752.5	25	0	5.272	/	Pass
	16QAM	1712.5	25	0	5.169	/	Pass
		1732.5	25	0	5.214	/	Pass
		1752.5	25	0	5.233	/	Pass
	64QAM	1712.5	25	0	5.207	/	Pass
		1732.5	25	0	5.248	/	Pass
		1752.5	25	0	5.228	/	Pass
	256QAM	1712.5	25	0	5.169	/	Pass
		1732.5	25	0	5.287	/	Pass
		1752.5	25	0	5.324	/	Pass
10	QPSK	1715	50	0	10.094	/	Pass
		1732.5	50	0	10.256	/	Pass
		1750	50	0	10.207	/	Pass
	16QAM	1715	50	0	10.237	/	Pass
		1732.5	50	0	10.148	/	Pass
		1750	50	0	10.125	/	Pass
	64QAM	1715	50	0	10.273	/	Pass
		1732.5	50	0	10.223	/	Pass
		1750	50	0	10.163	/	Pass
	256QAM	1715	50	0	10.228	/	Pass
		1732.5	50	0	10.139	/	Pass

		1750	50	0	10.228	/	Pass
15	QPSK	1717.5	75	0	15.237	/	Pass
		1732.5	75	0	15.296	/	Pass
		1747.5	75	0	15.127	/	Pass
		1717.5	75	0	15.091	/	Pass
	16QAM	1732.5	75	0	15.262	/	Pass
		1747.5	75	0	15.144	/	Pass
		1717.5	75	0	15.134	/	Pass
	64QAM	1732.5	75	0	15.244	/	Pass
		1747.5	75	0	15.155	/	Pass
		1717.5	75	0	15.172	/	Pass
	256QAM	1732.5	75	0	15.386	/	Pass
		1747.5	75	0	15.104	/	Pass
20	QPSK	1720	100	0	20.042	/	Pass
		1732.5	100	0	20.007	/	Pass
		1745	100	0	20.255	/	Pass
	16QAM	1720	100	0	20.143	/	Pass
		1732.5	100	0	20.121	/	Pass
		1745	100	0	20.187	/	Pass
	64QAM	1720	100	0	20.101	/	Pass
		1732.5	100	0	20.088	/	Pass
		1745	100	0	20.276	/	Pass
	256QAM	1720	100	0	19.939	/	Pass
		1732.5	100	0	20.245	/	Pass
		1745	100	0	20.244	/	Pass

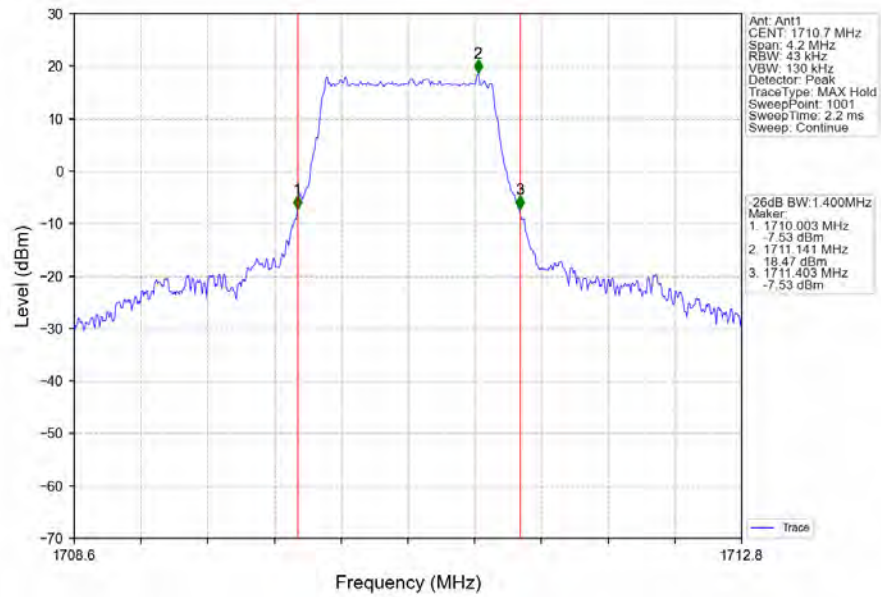
3.2.2 Test Graph



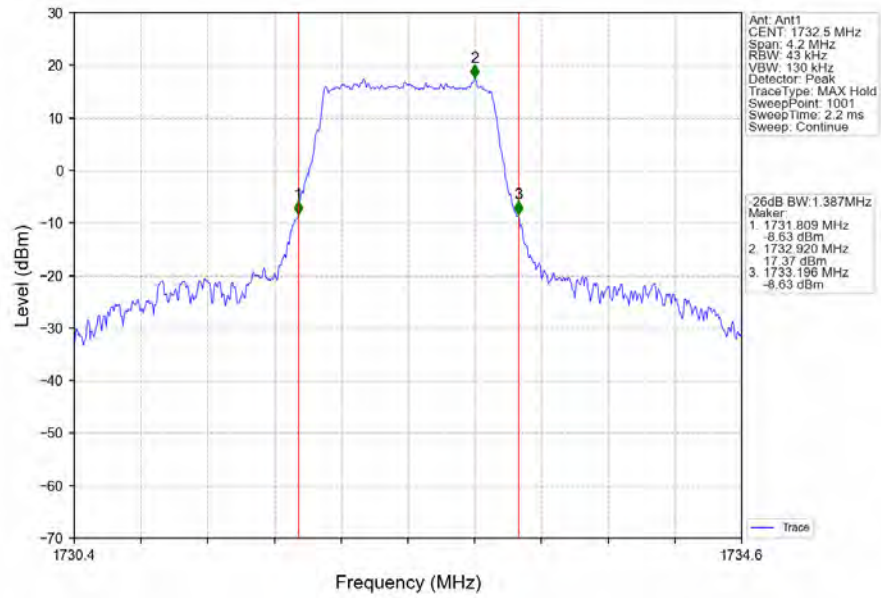
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



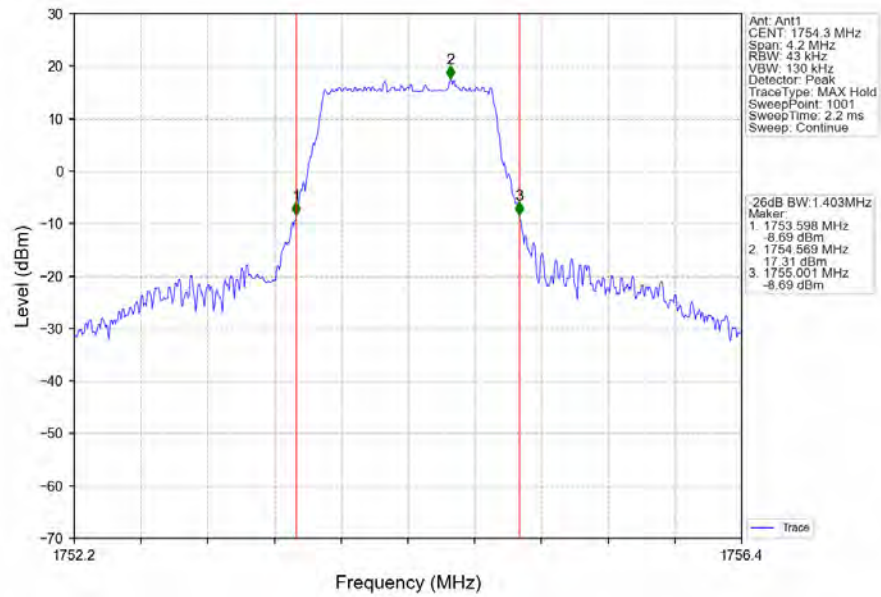
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



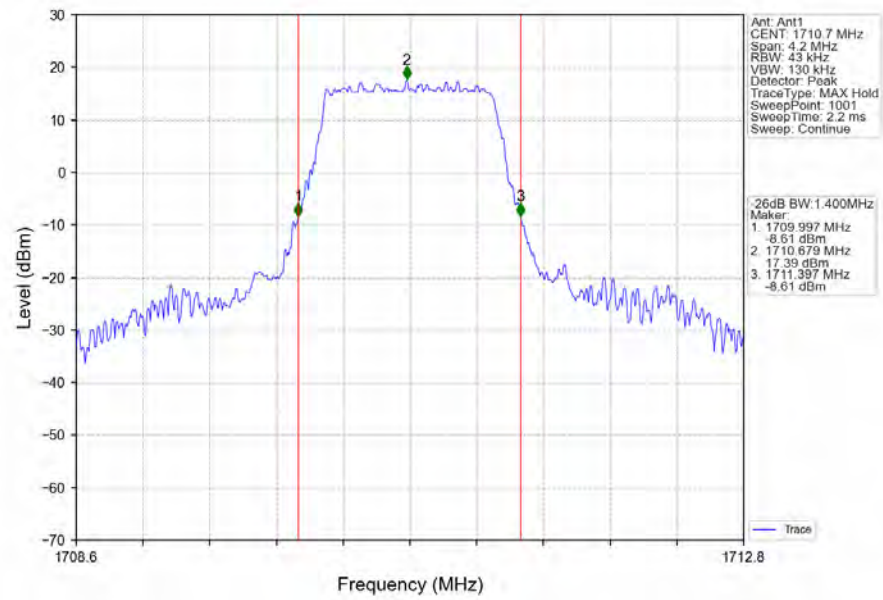
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



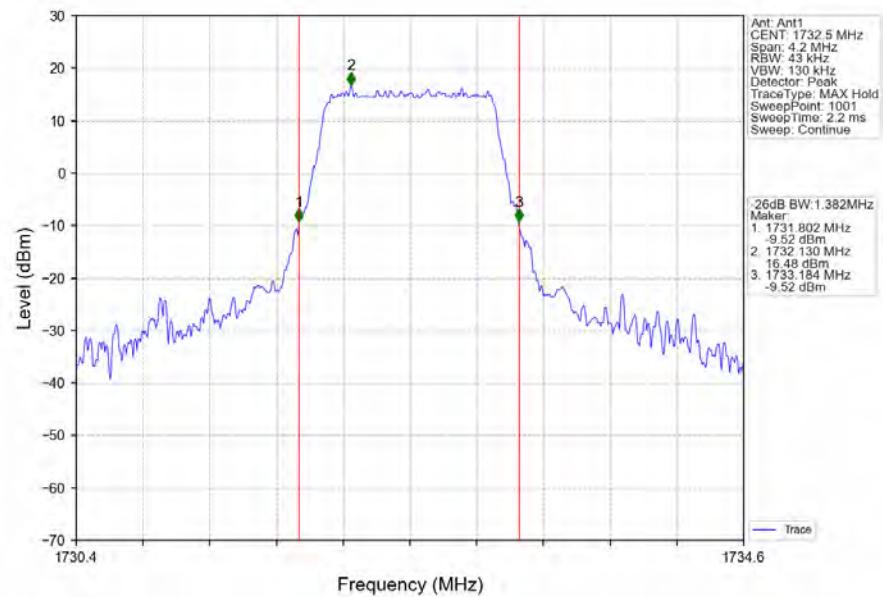
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



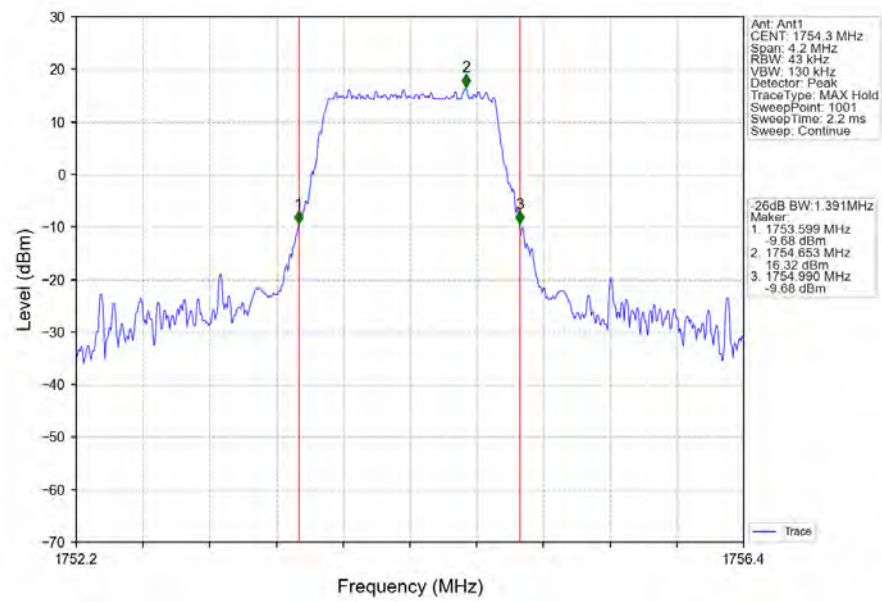
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



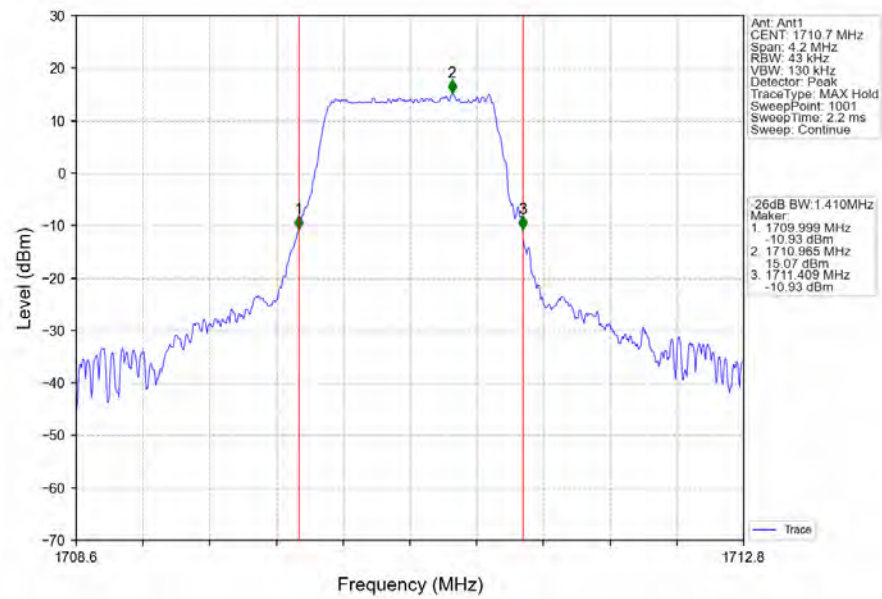
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



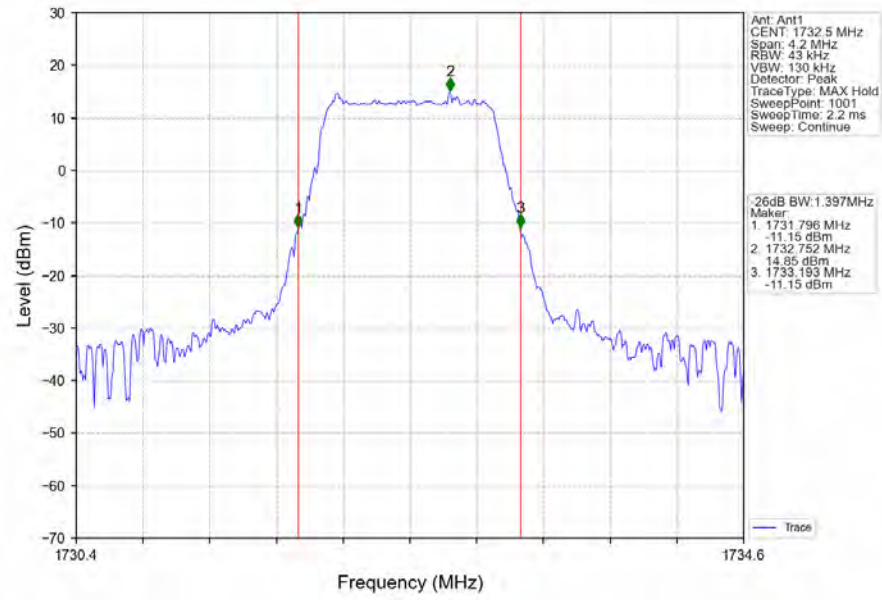
Band4 1.4MHz 64QAM HCH 1754.3MHz RB 6 0 NTN



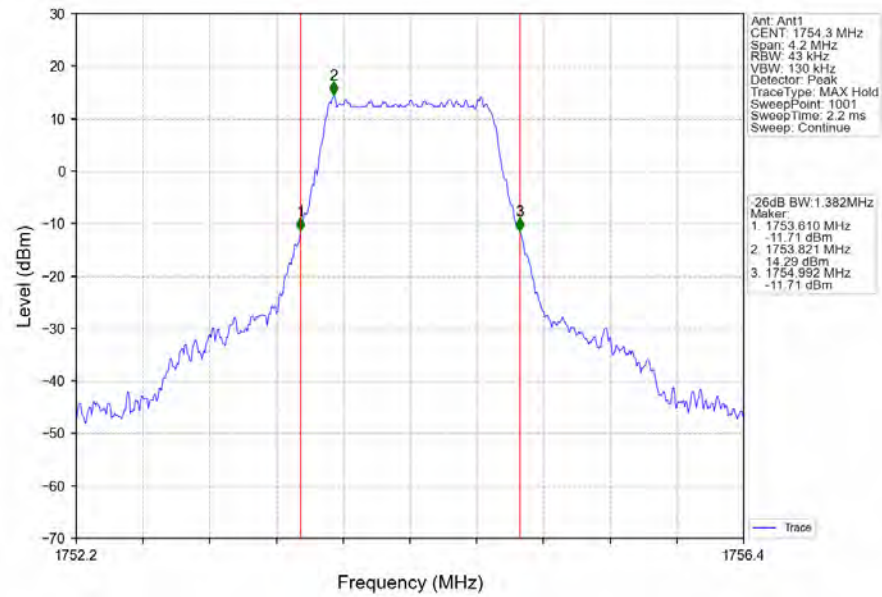
Band4 1.4MHz 256QAM LCH 1710.7MHz RB 6 0 NTN



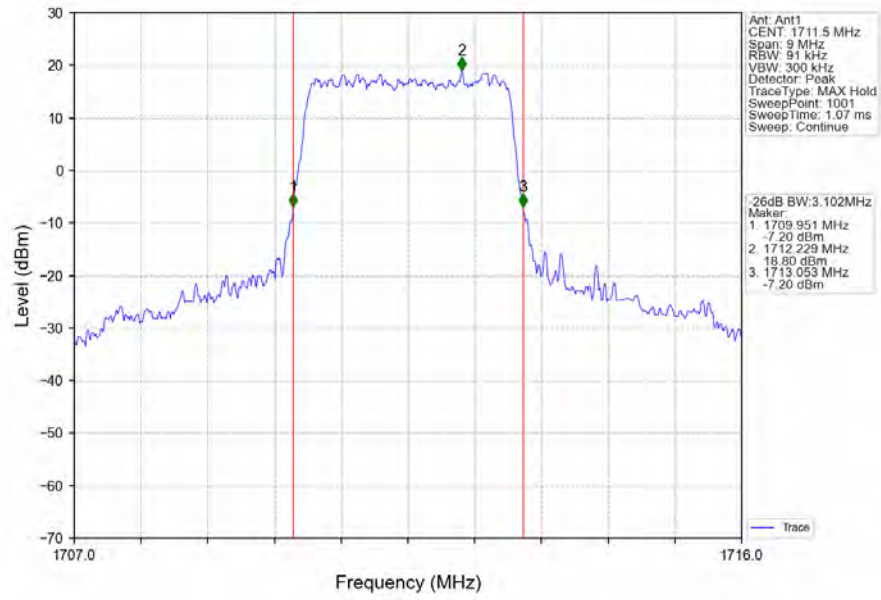
Band4_1.4MHz_256QAM_MCH_1732.5MHz_RB_6_0_NTNV



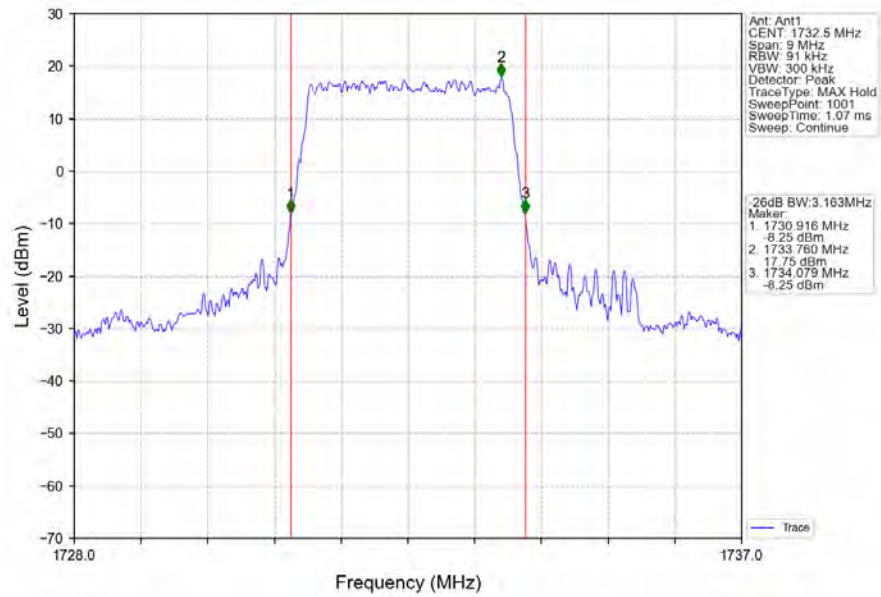
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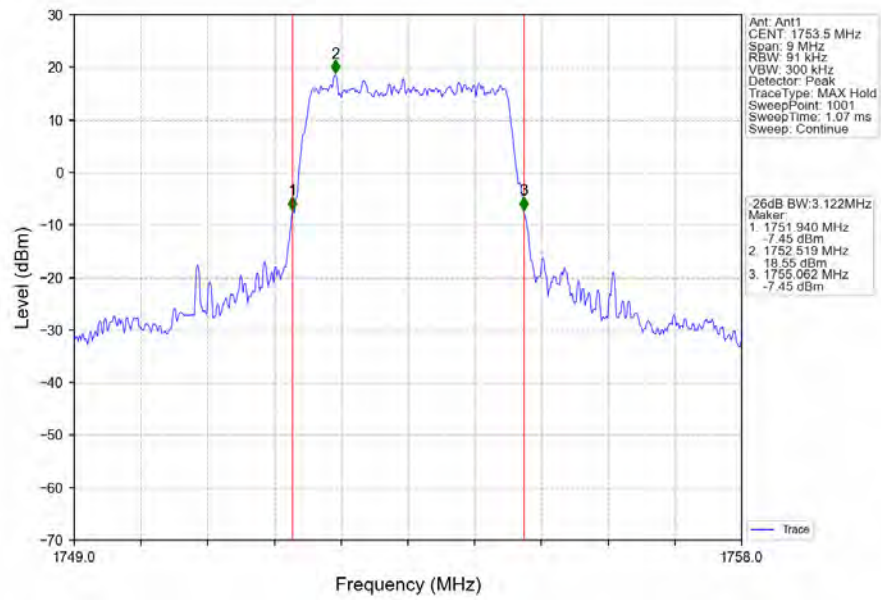
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



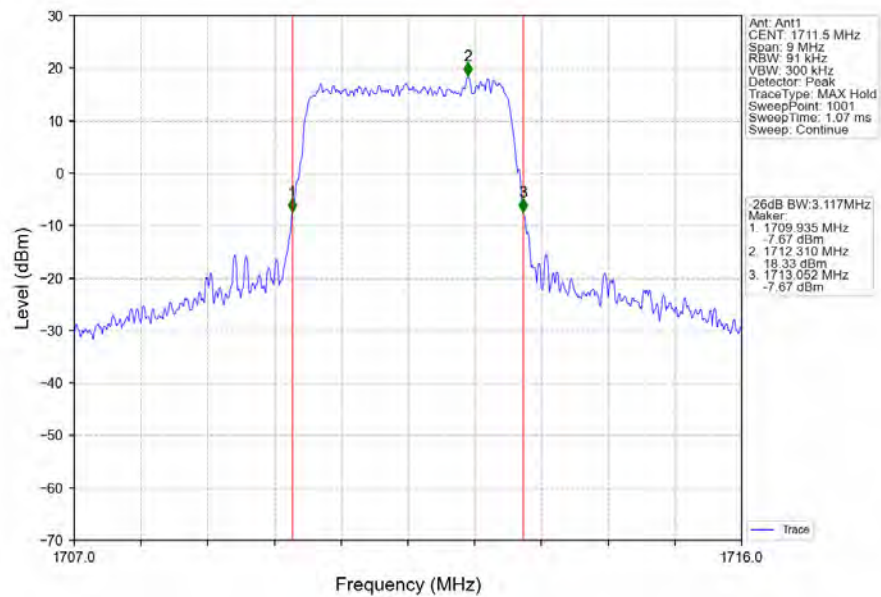
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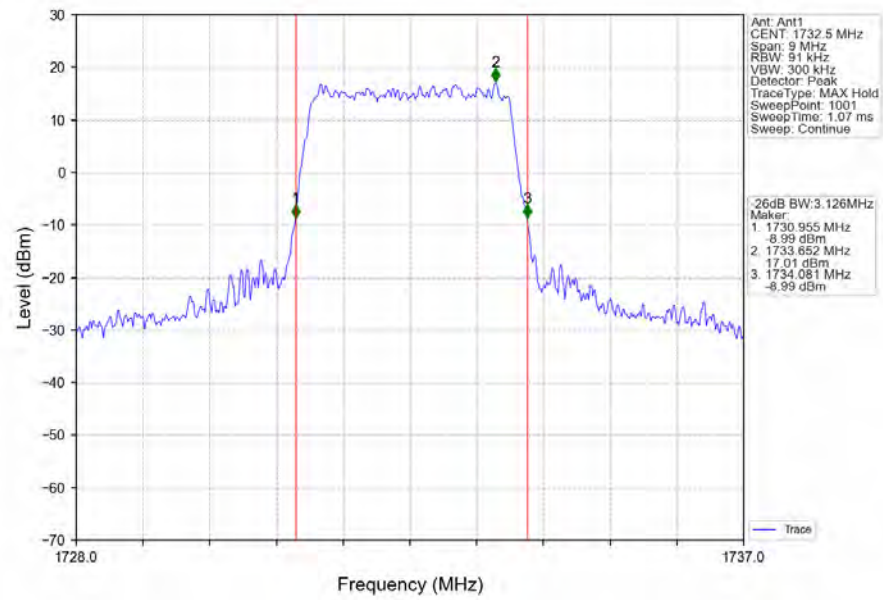
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



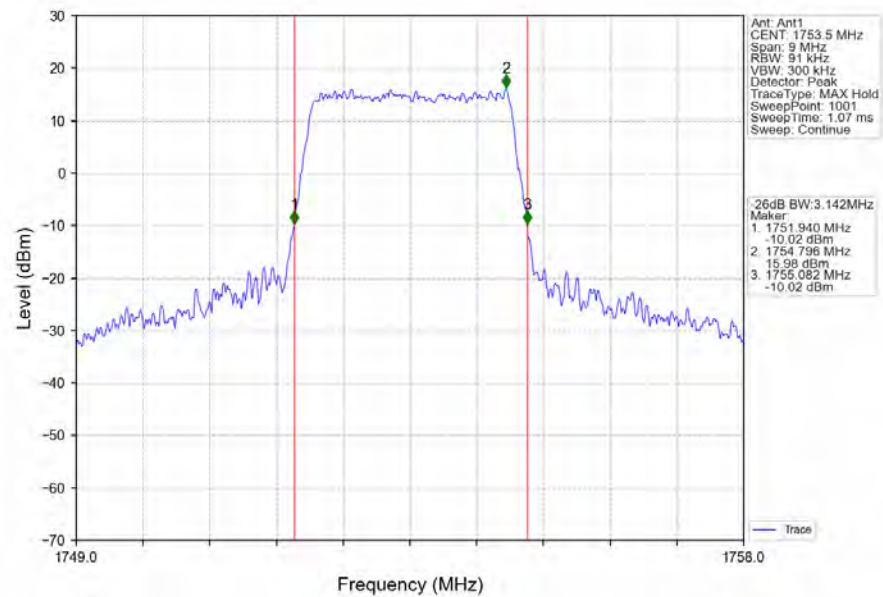
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



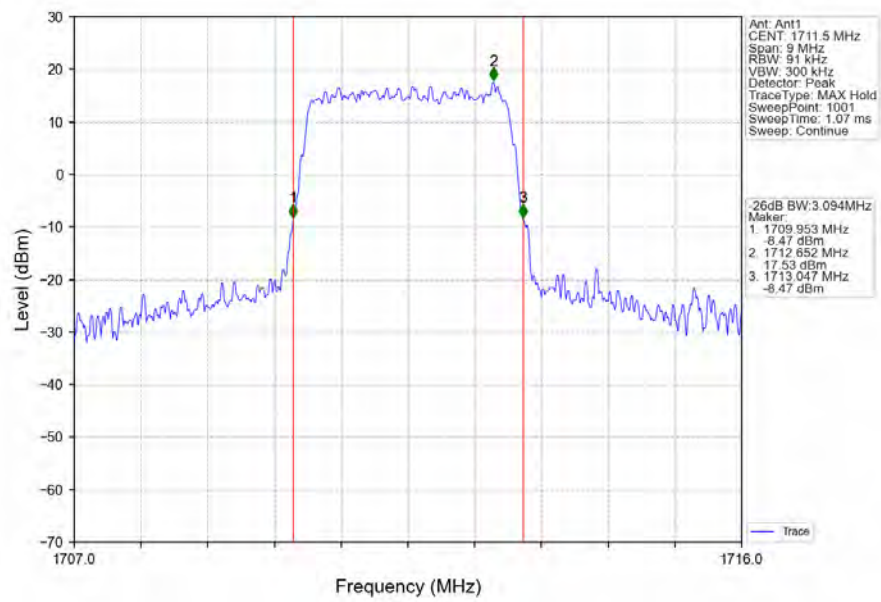
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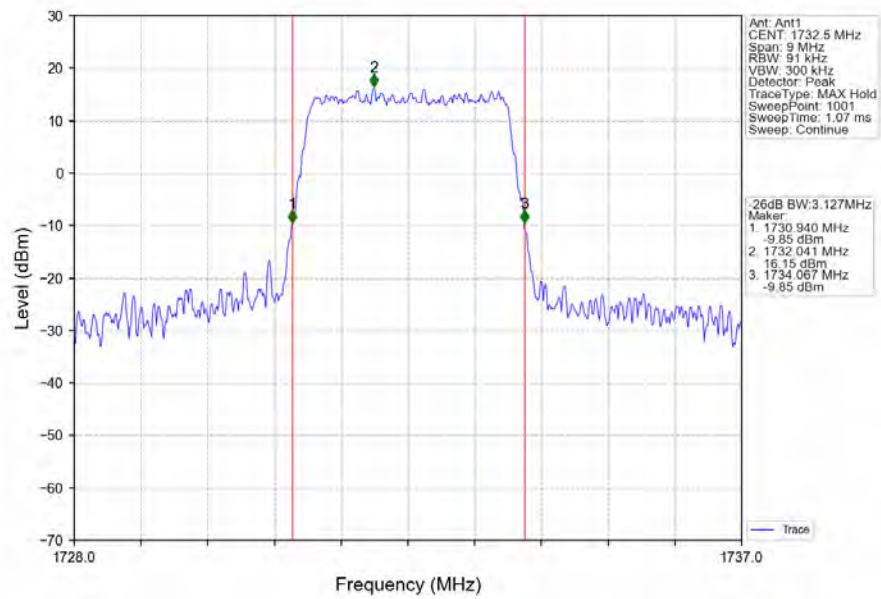
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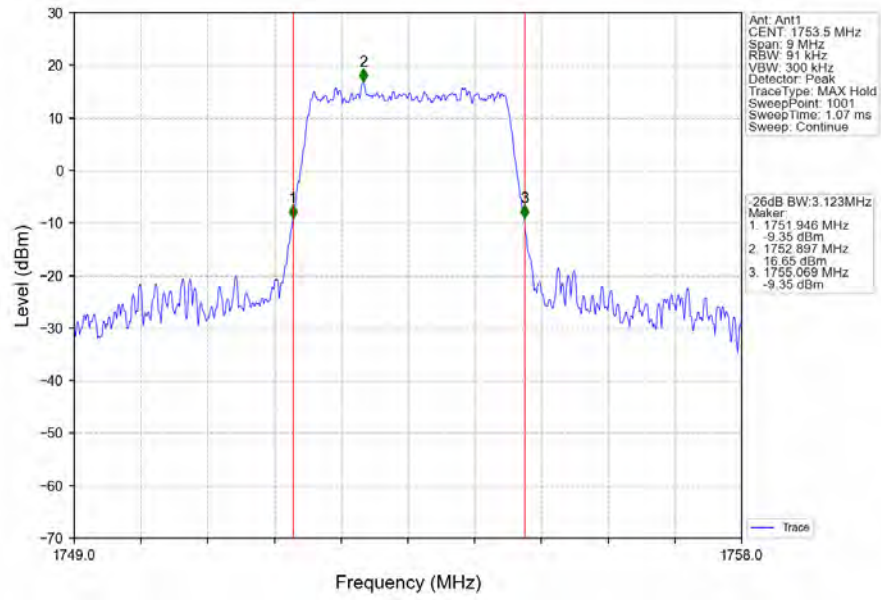
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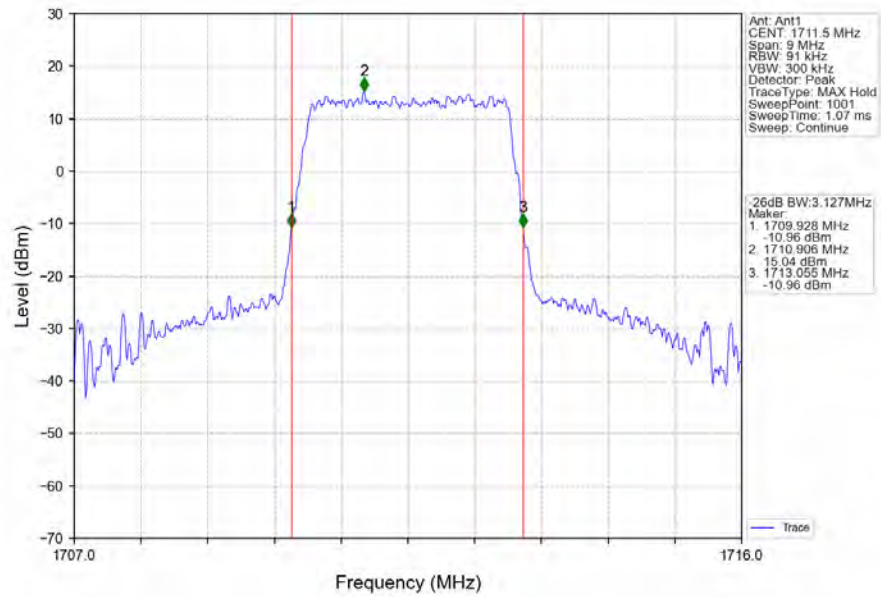
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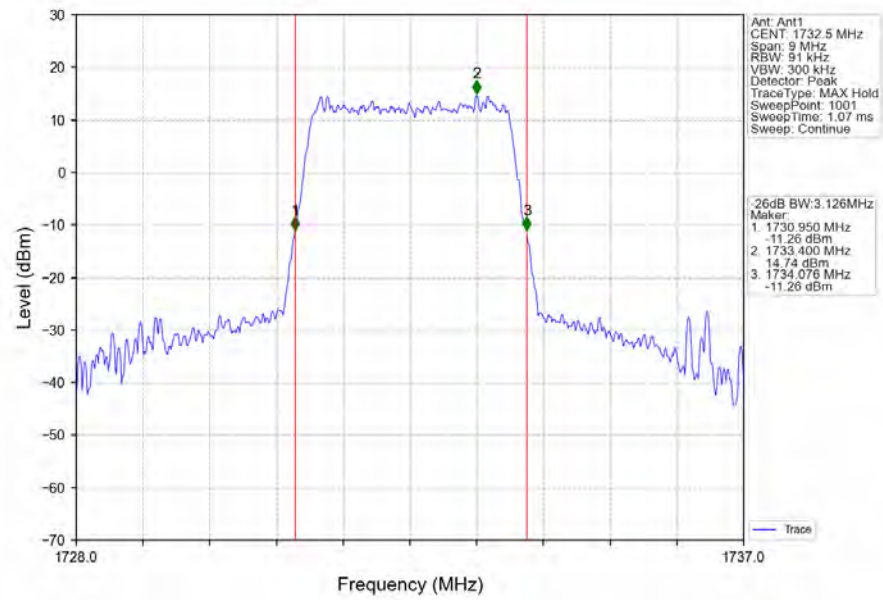
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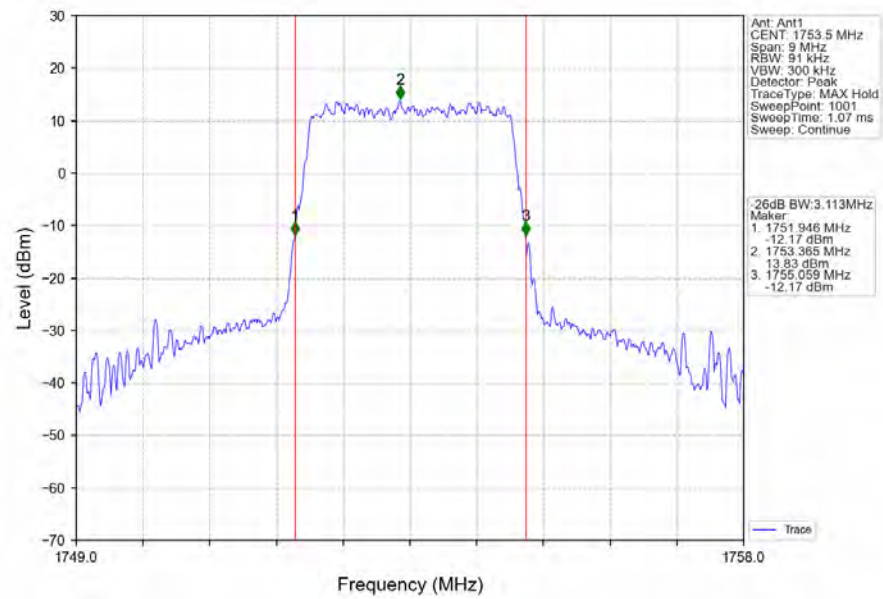
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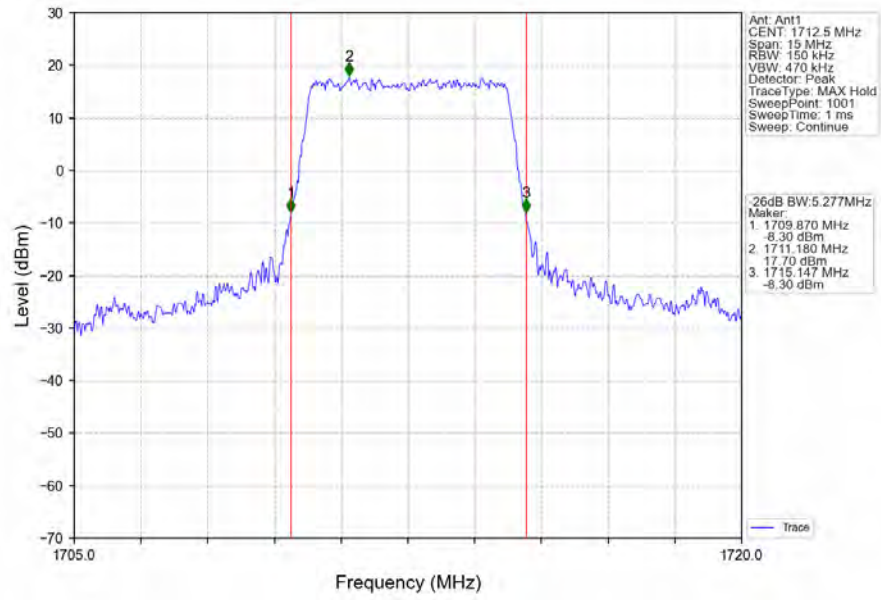
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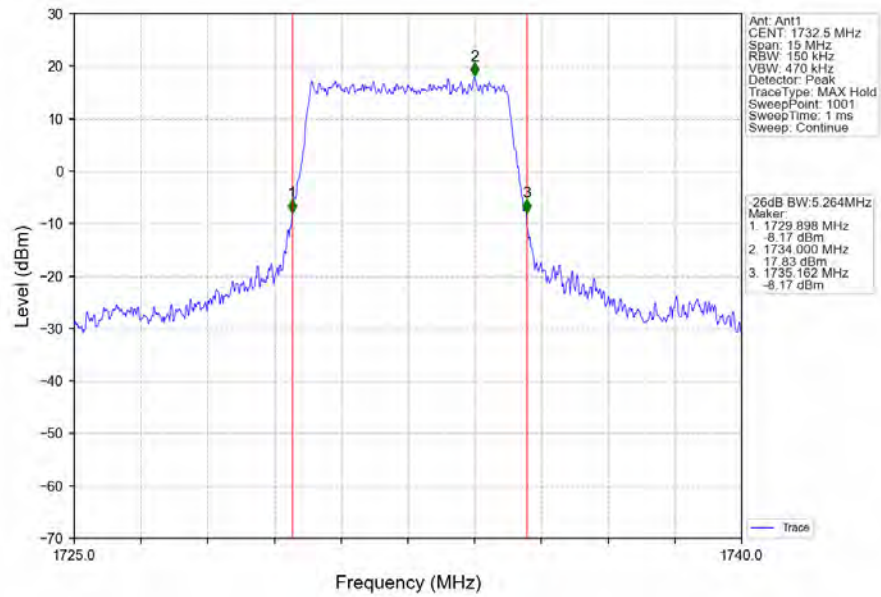
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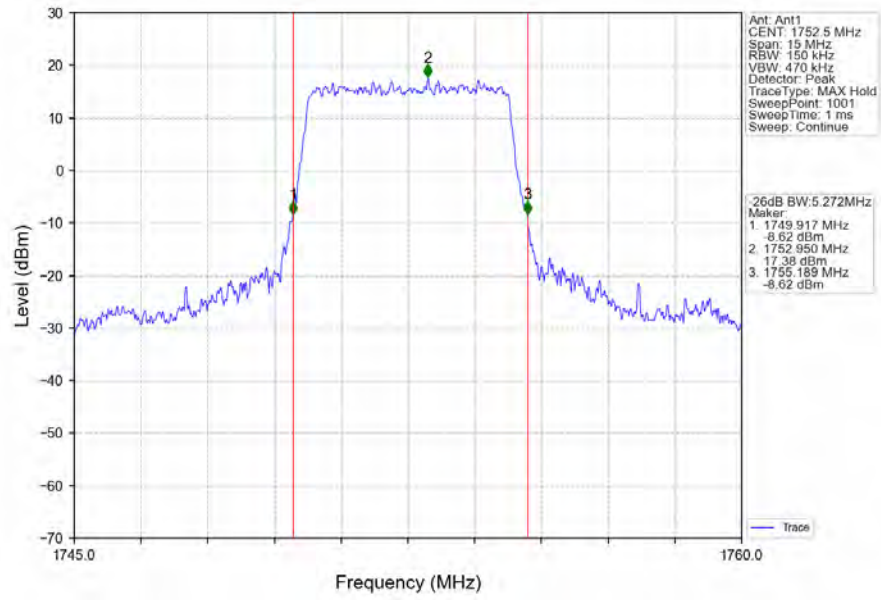
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



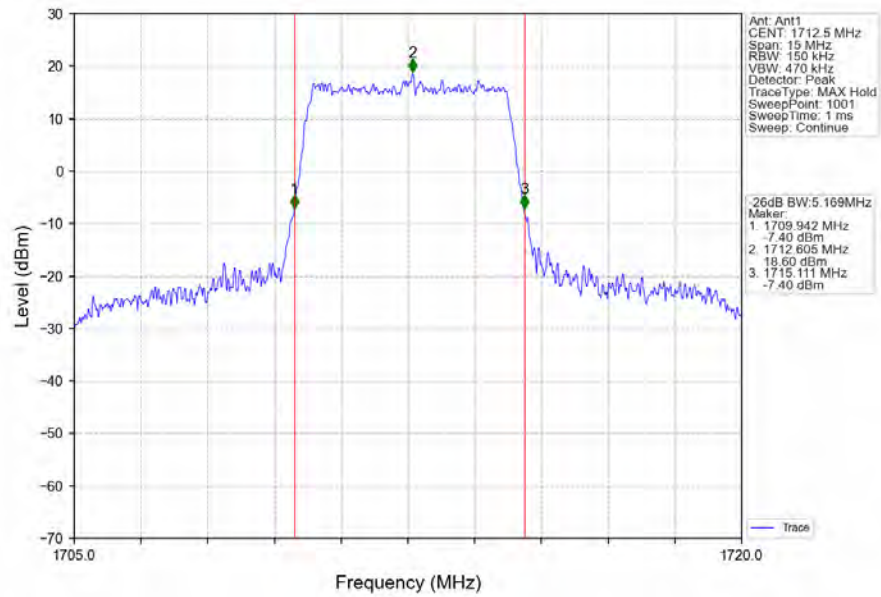
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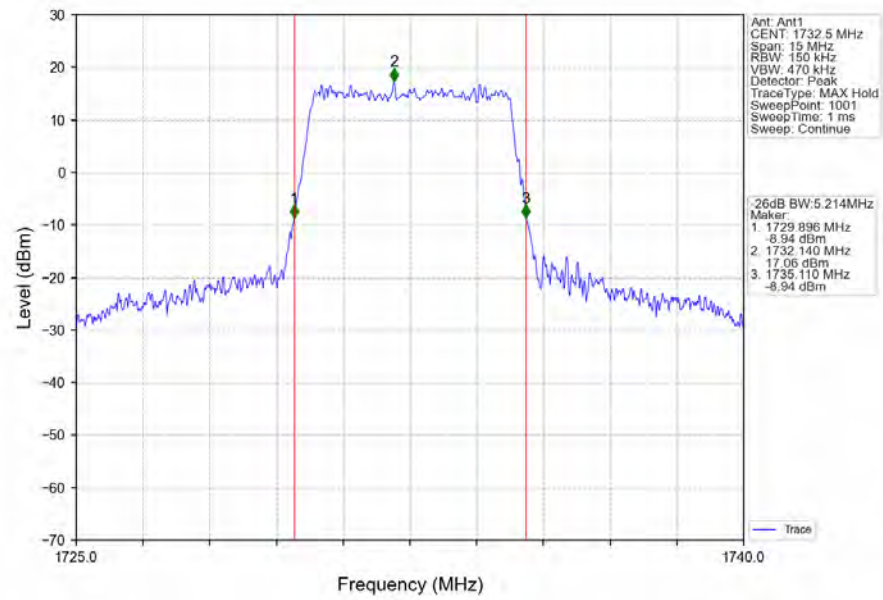
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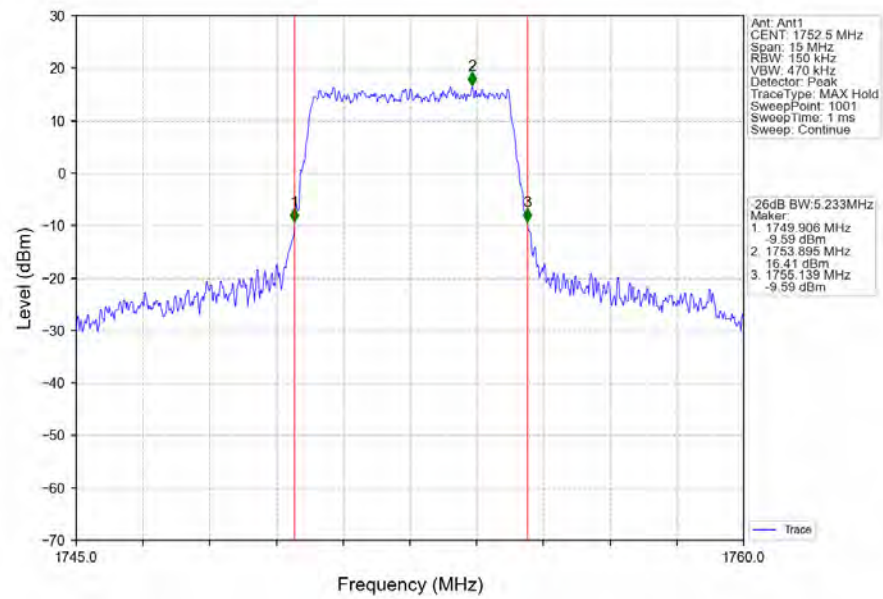
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



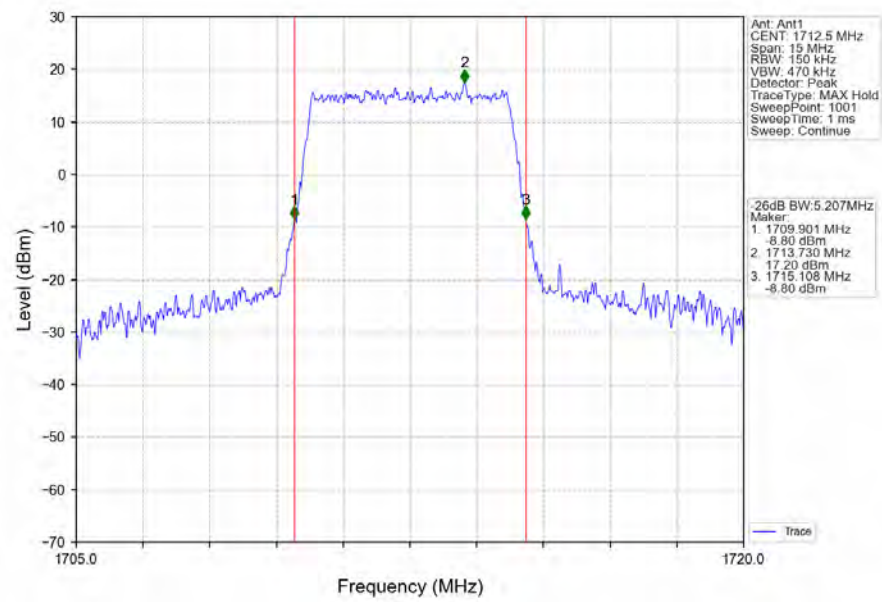
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



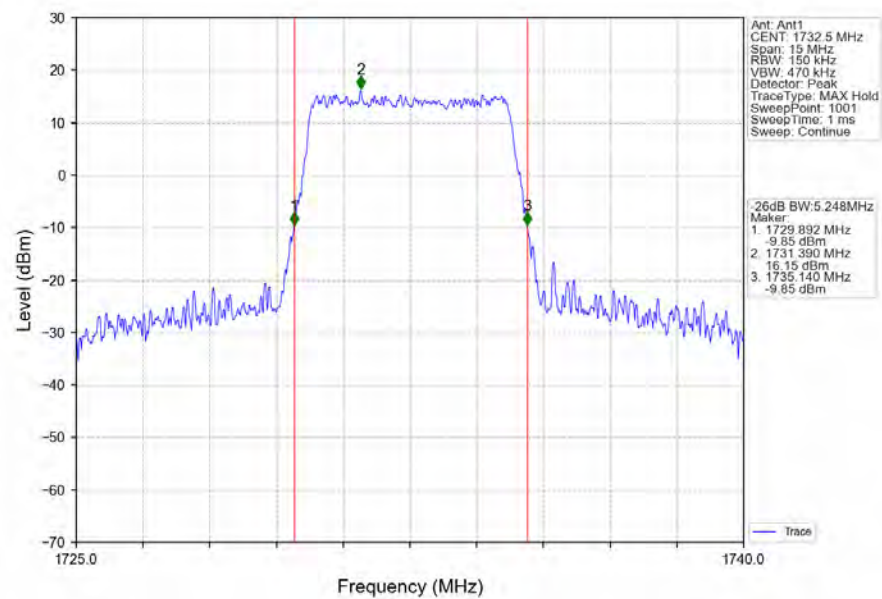
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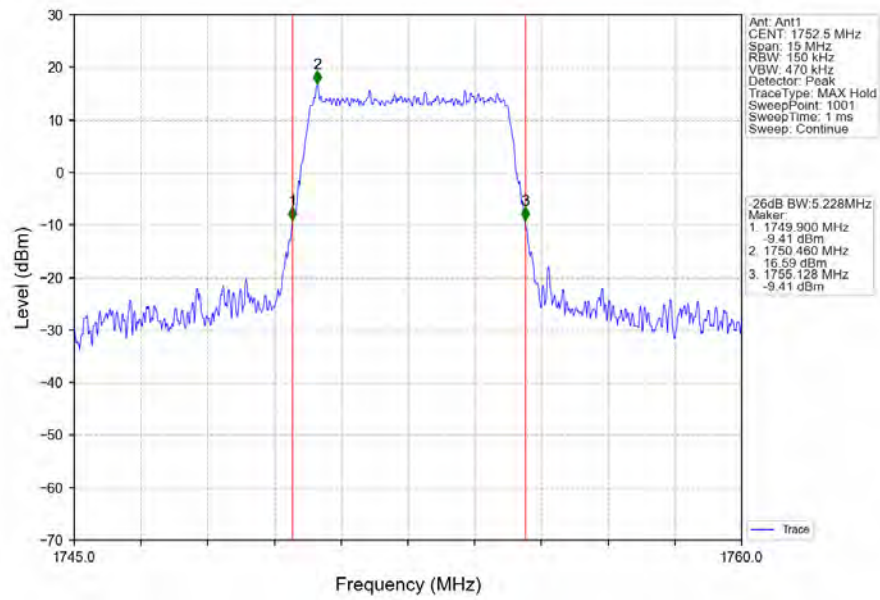
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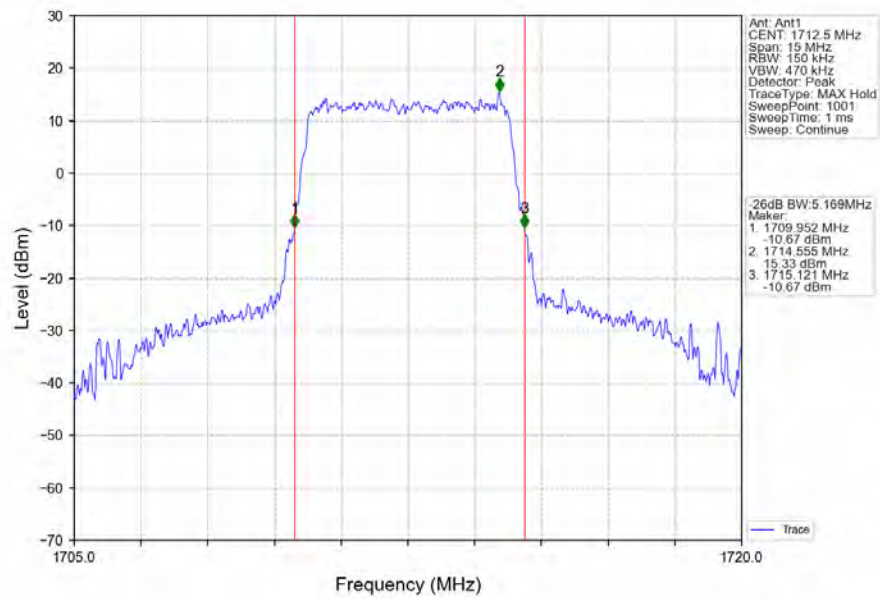
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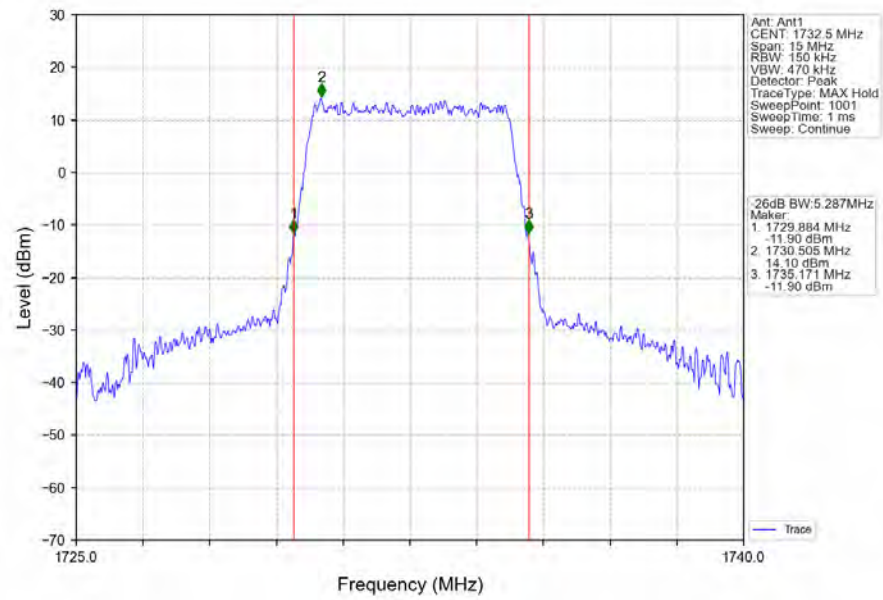
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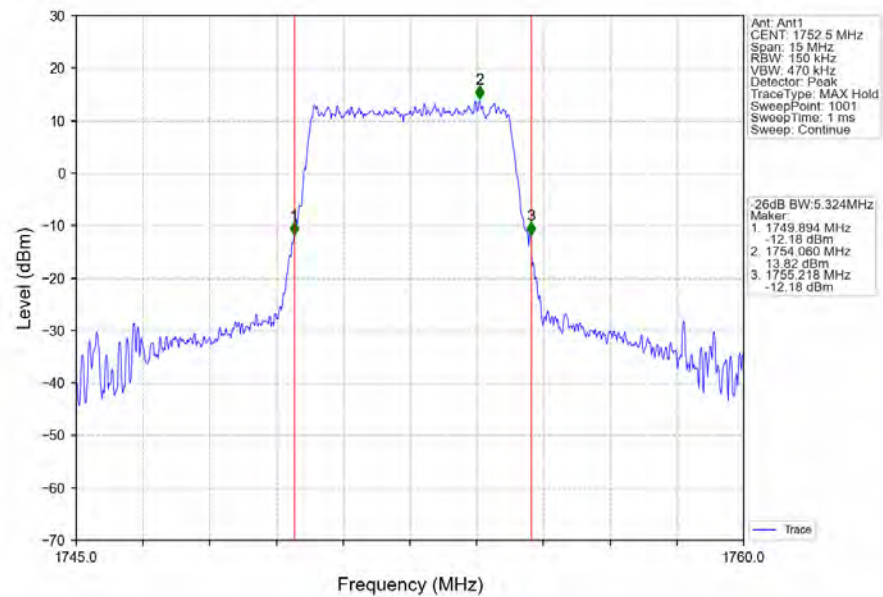
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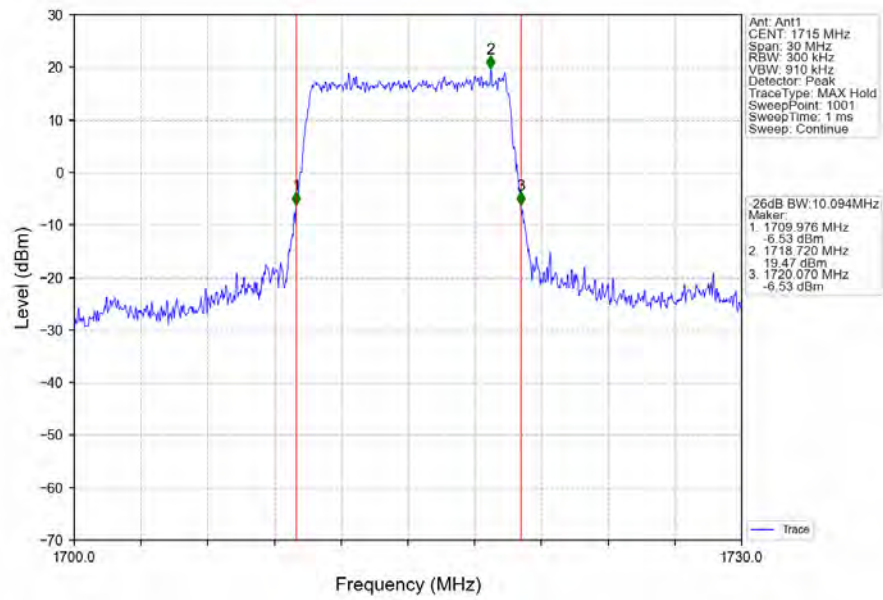
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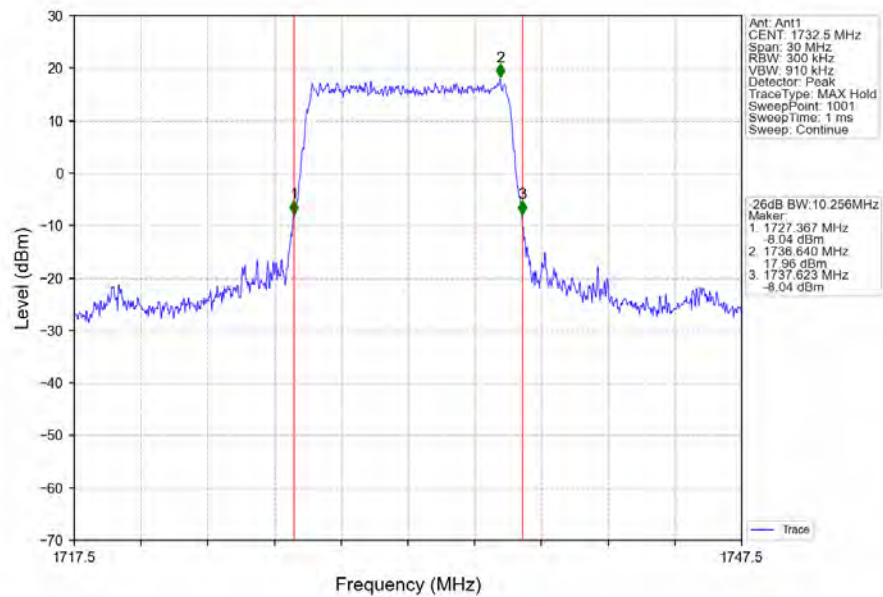
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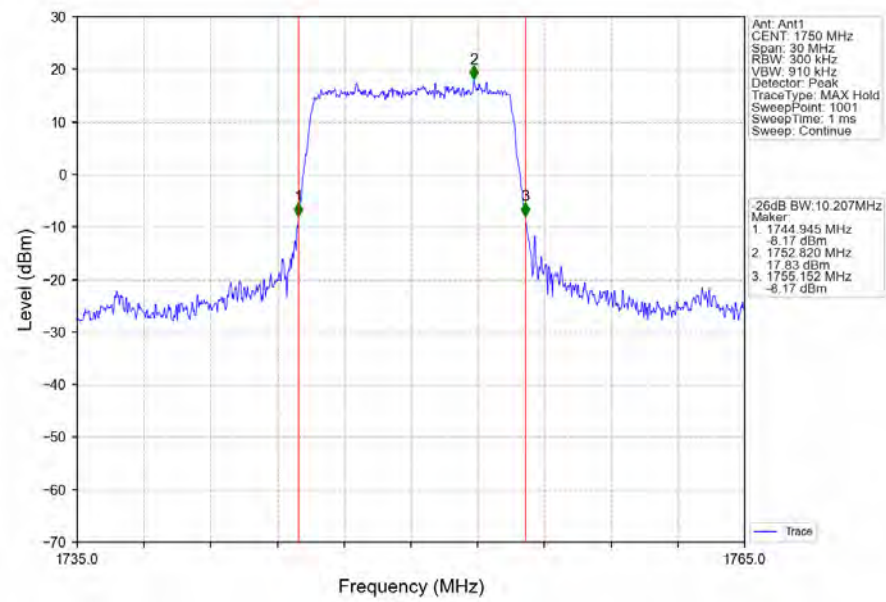
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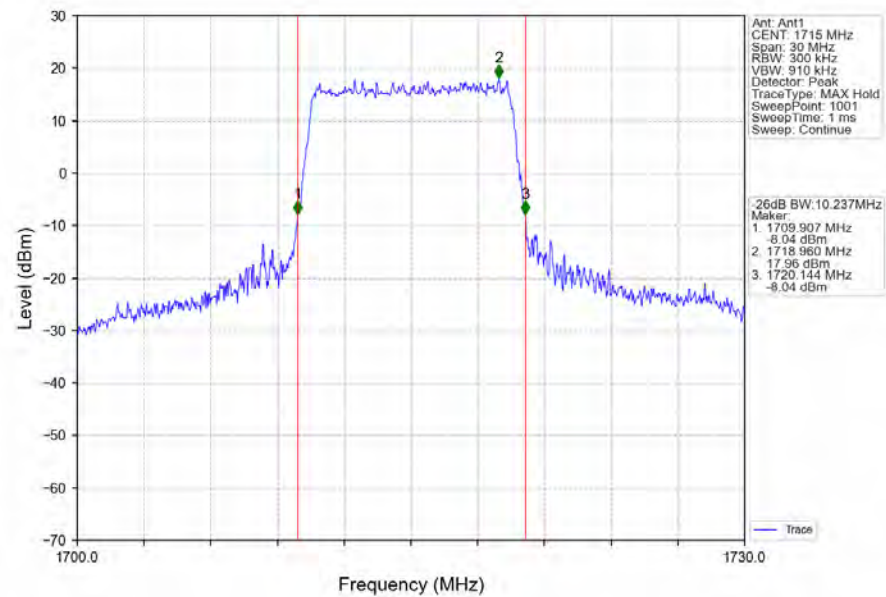
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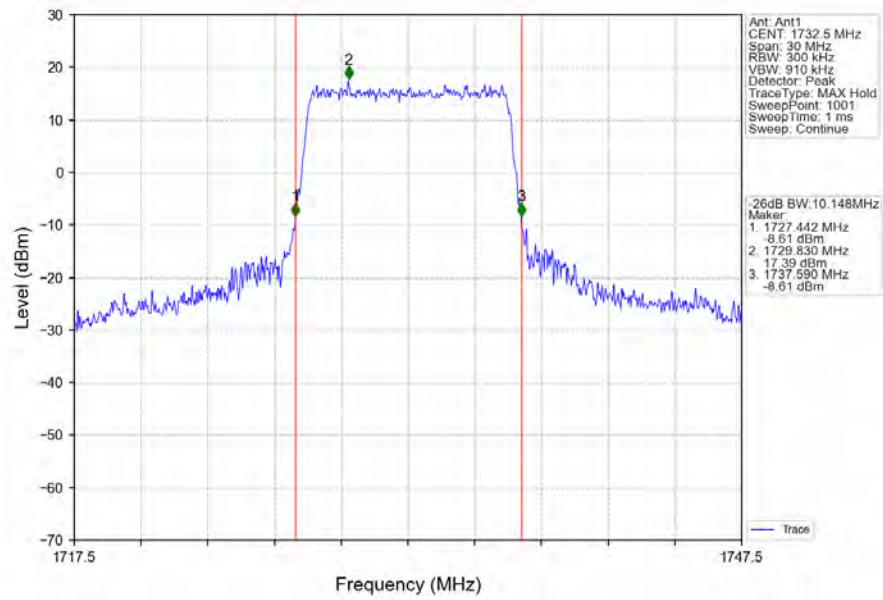
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTV



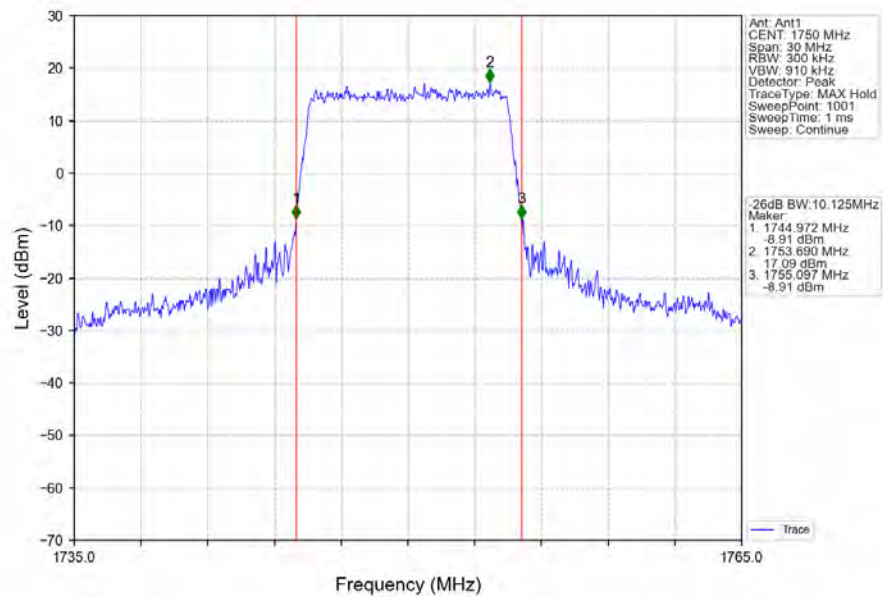
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTV



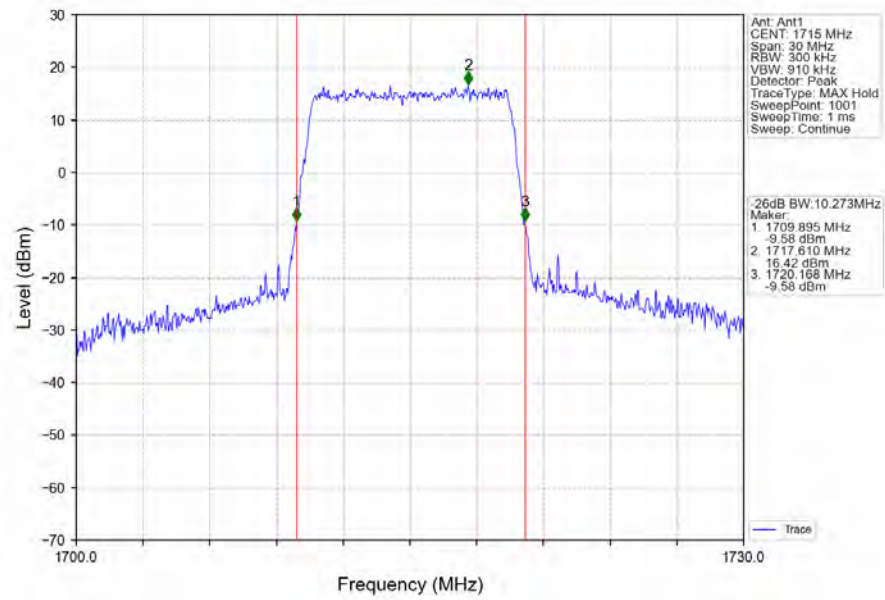
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



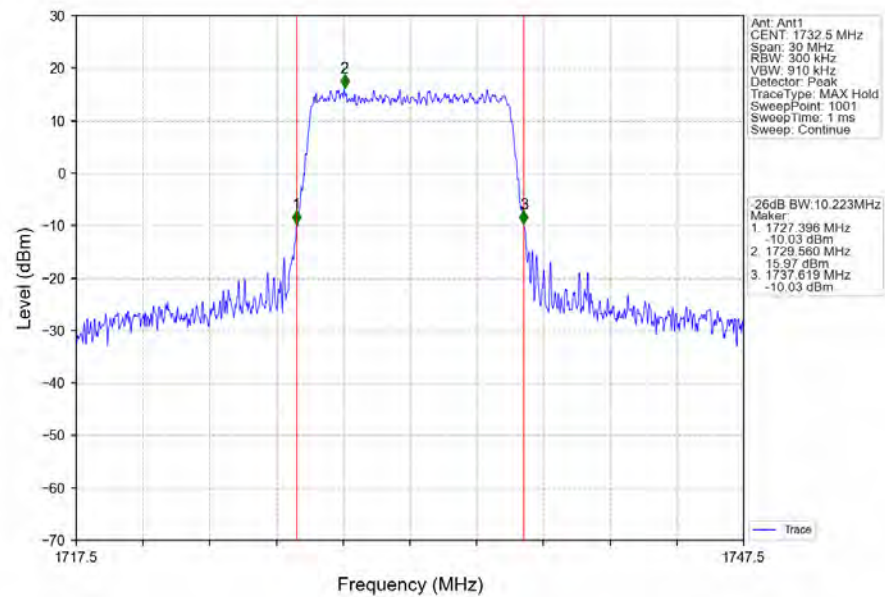
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



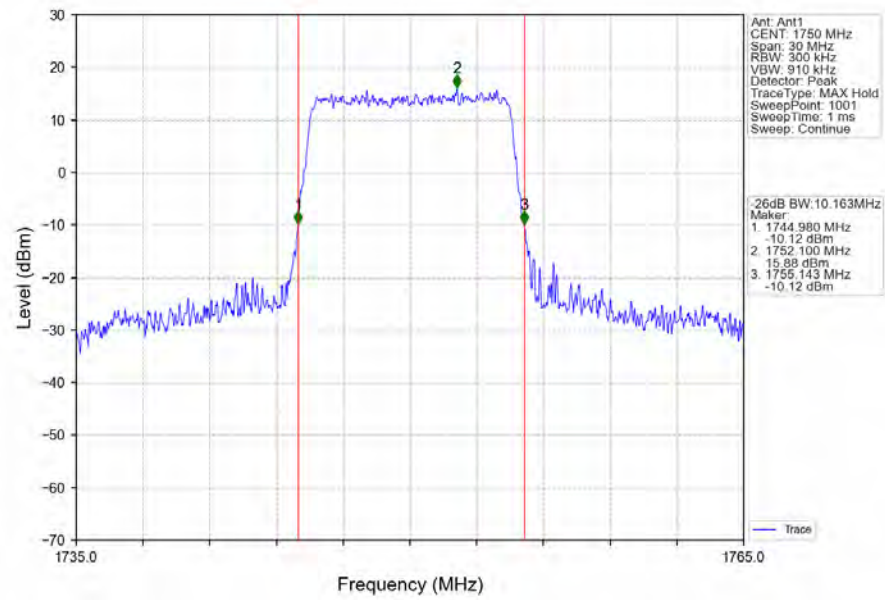
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



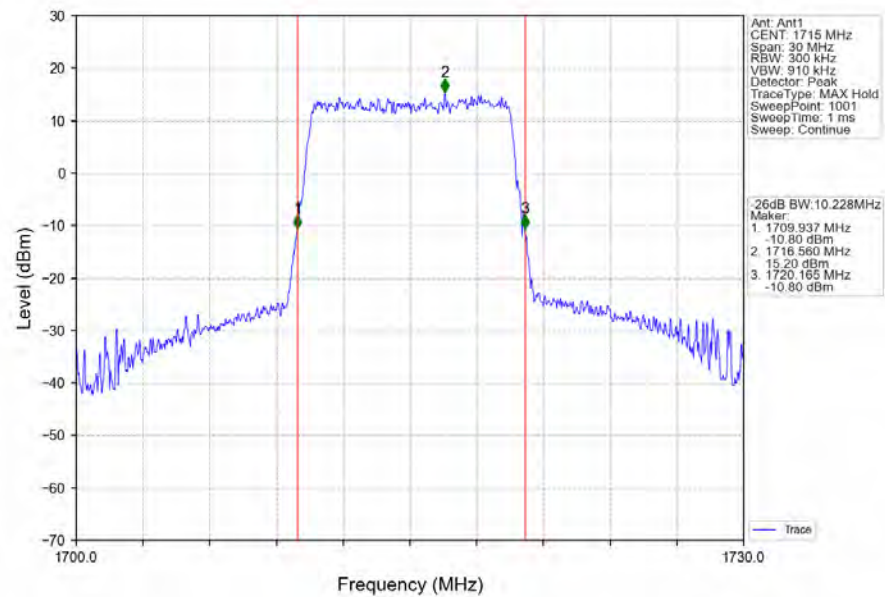
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



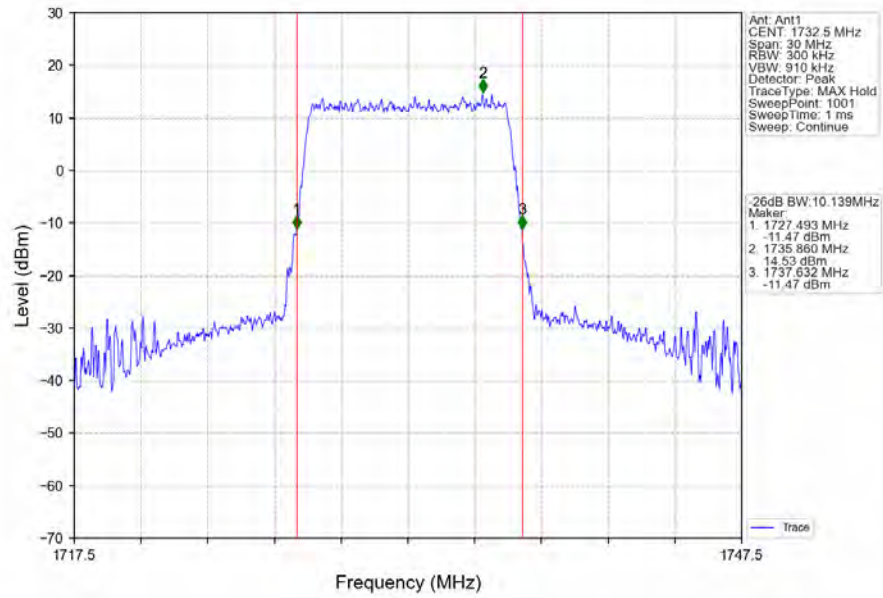
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



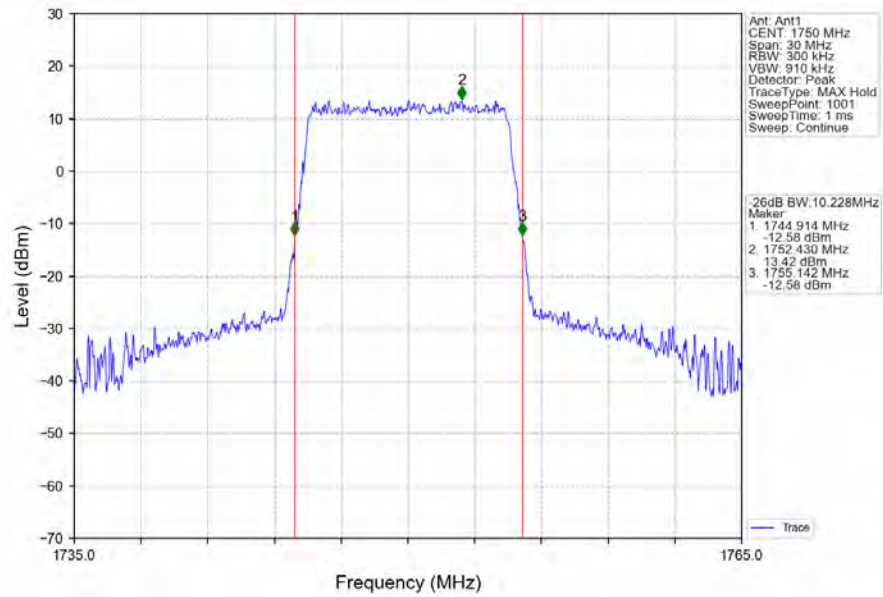
Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV



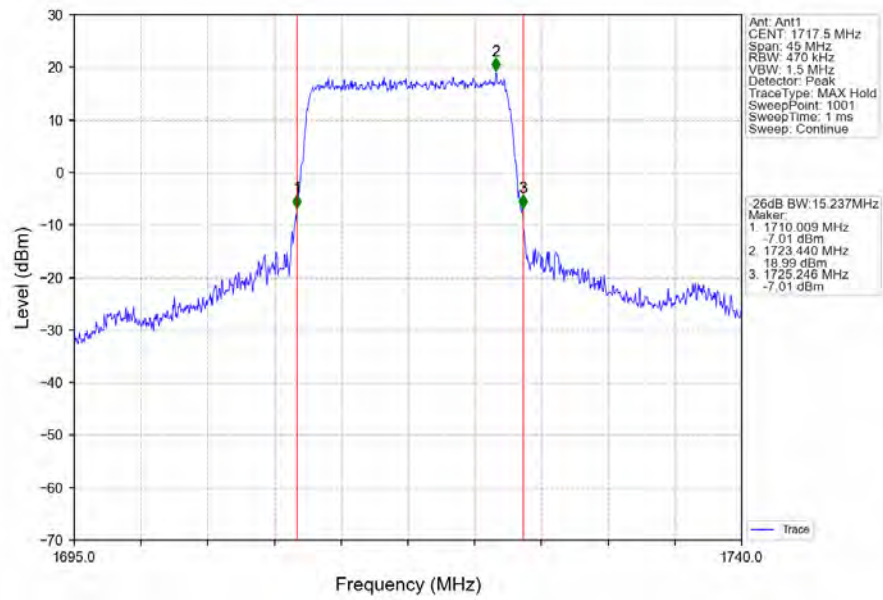
Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



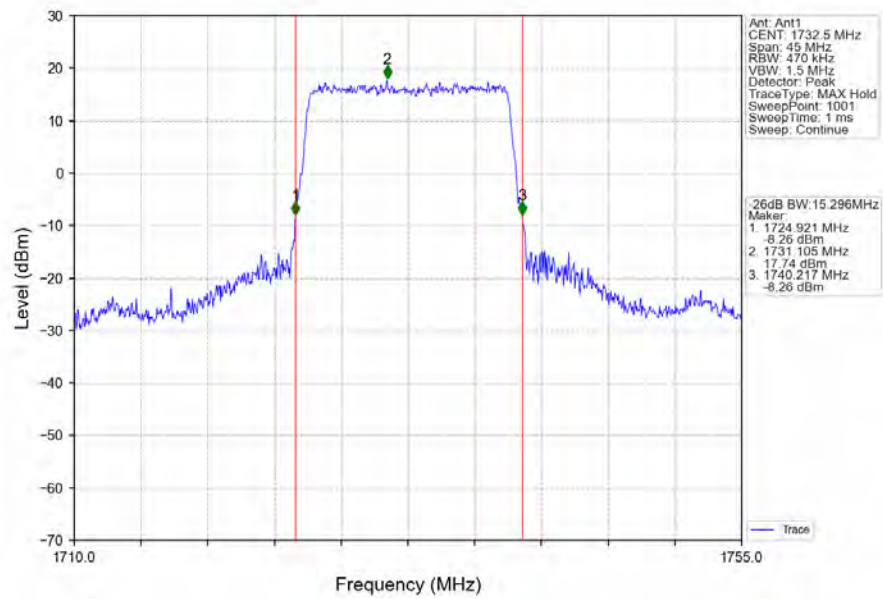
Band4_10MHz_256QAM_HCH_1750MHz_RB_50_0_NTNV



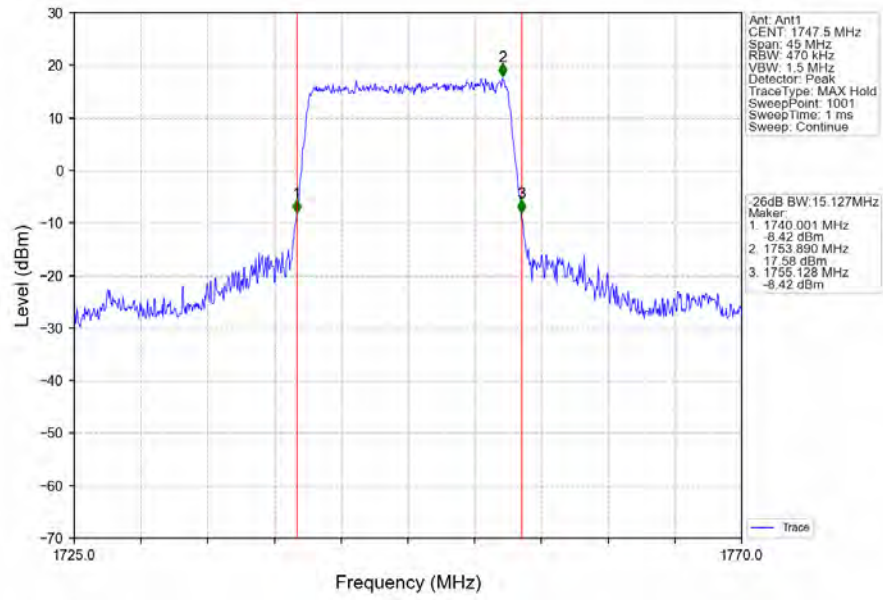
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



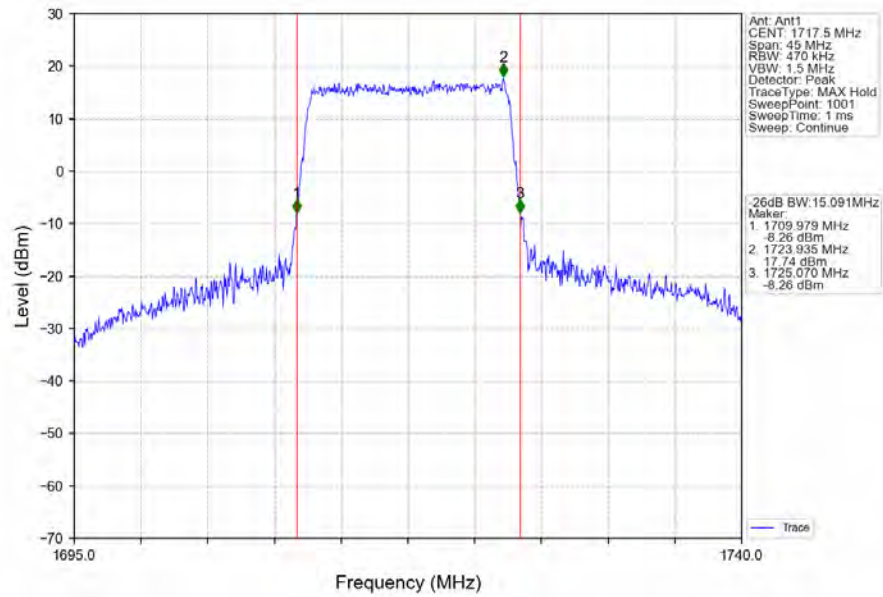
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



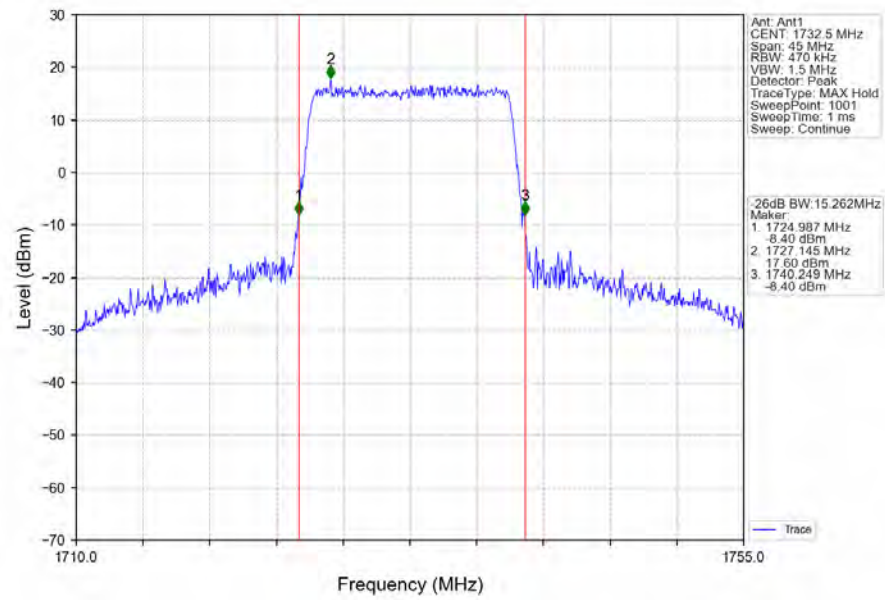
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



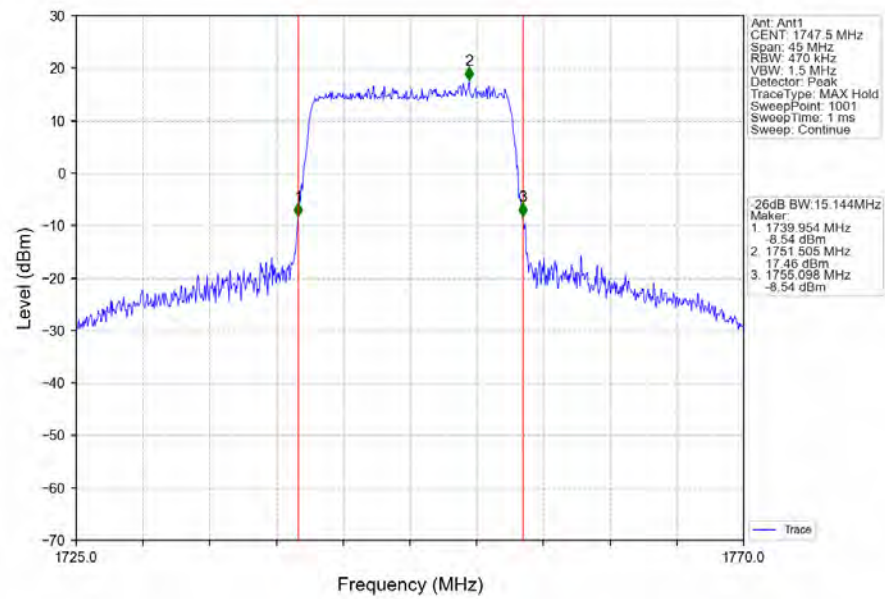
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



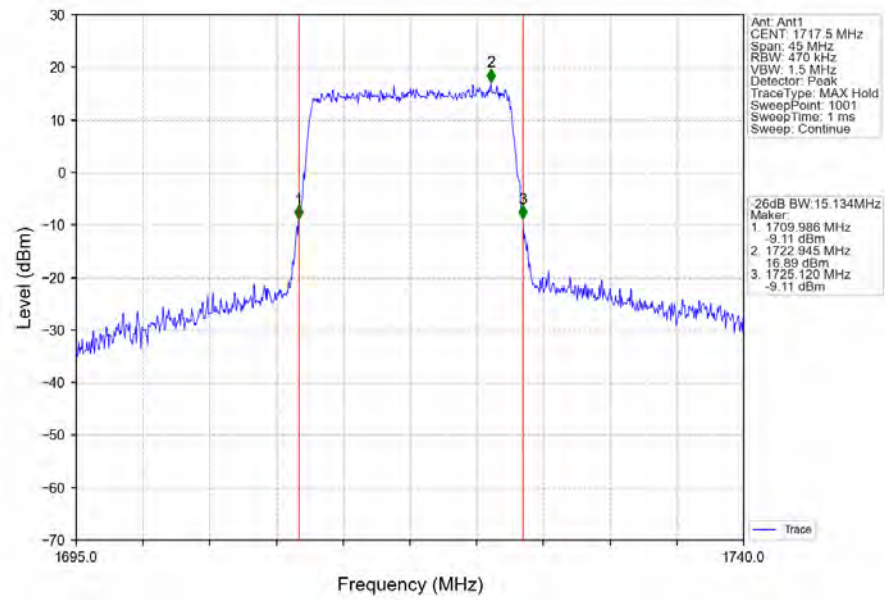
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



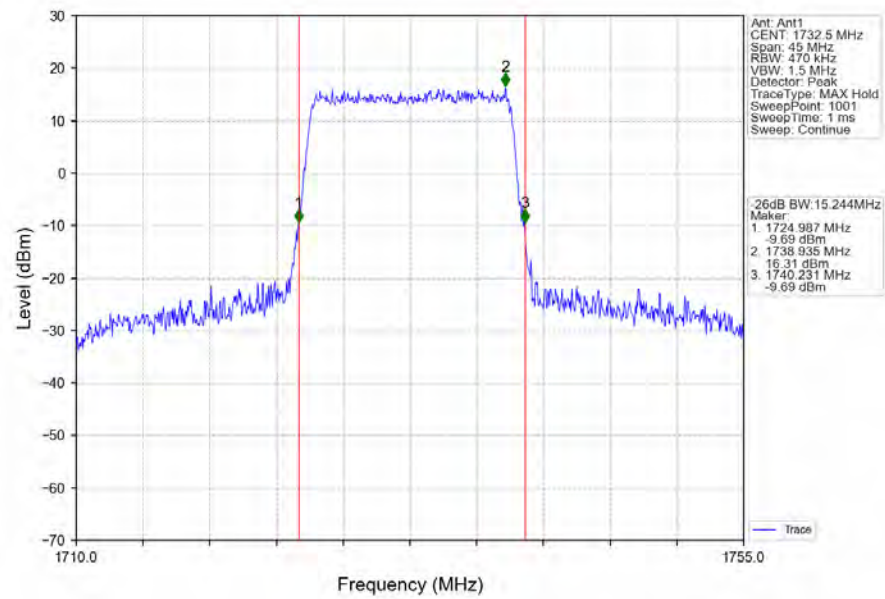
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



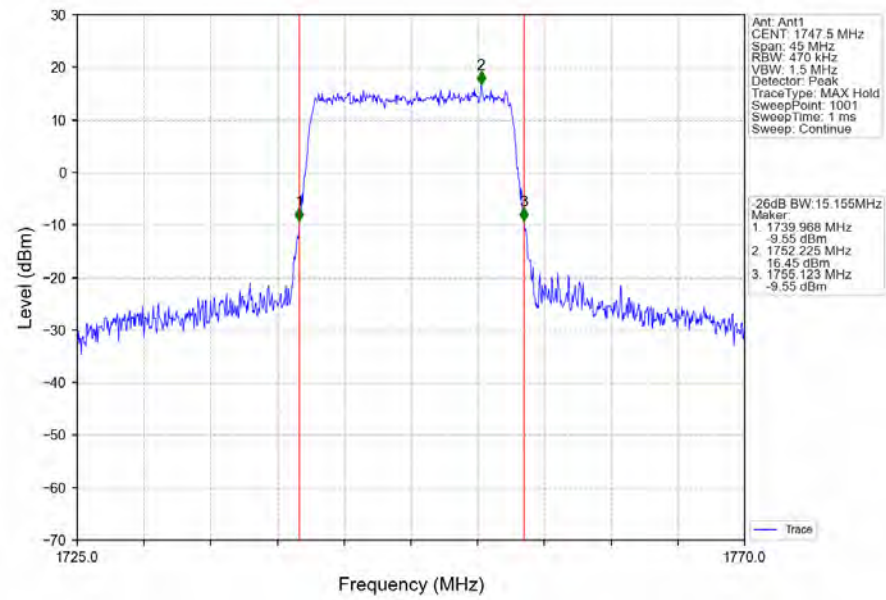
Band4 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTN



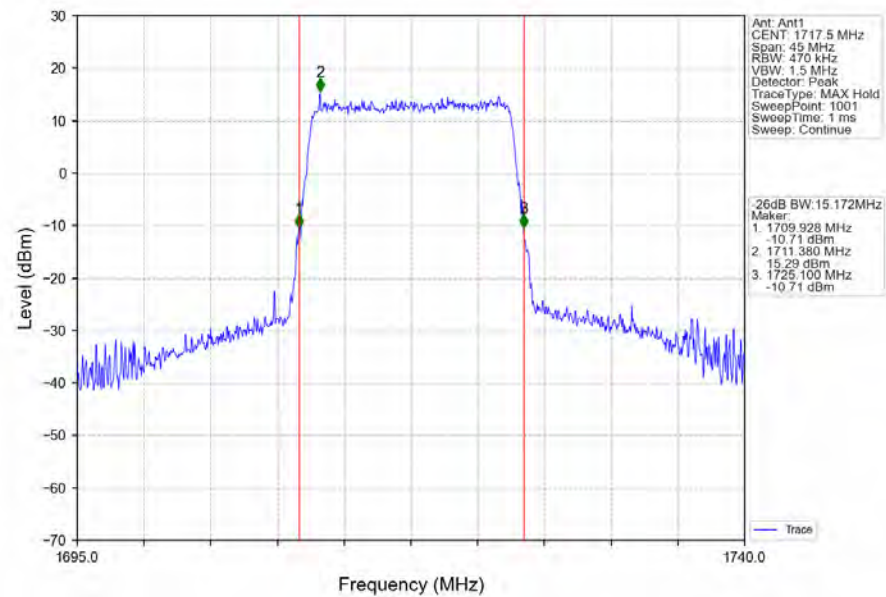
Band4 15MHz 64QAM MCH 1732.5MHz RB 75 0 NTN



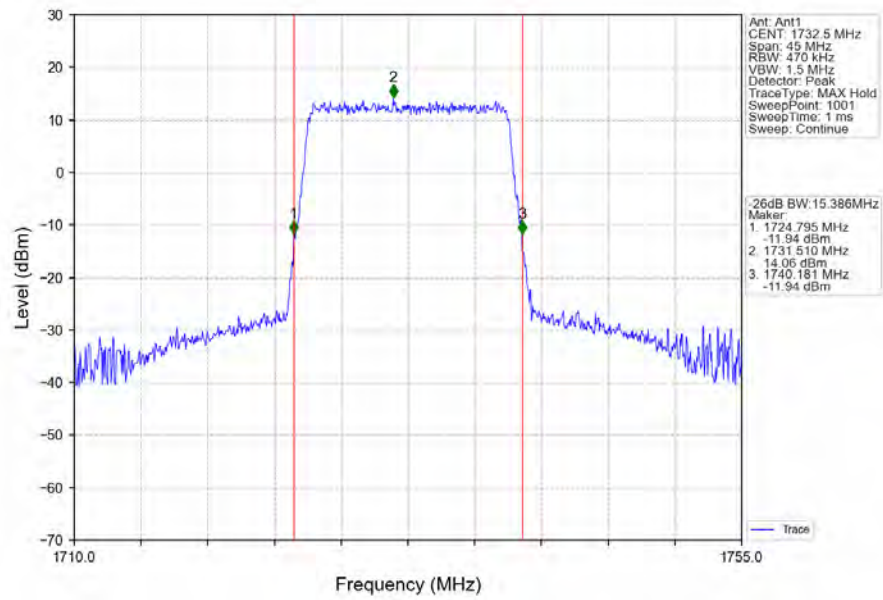
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



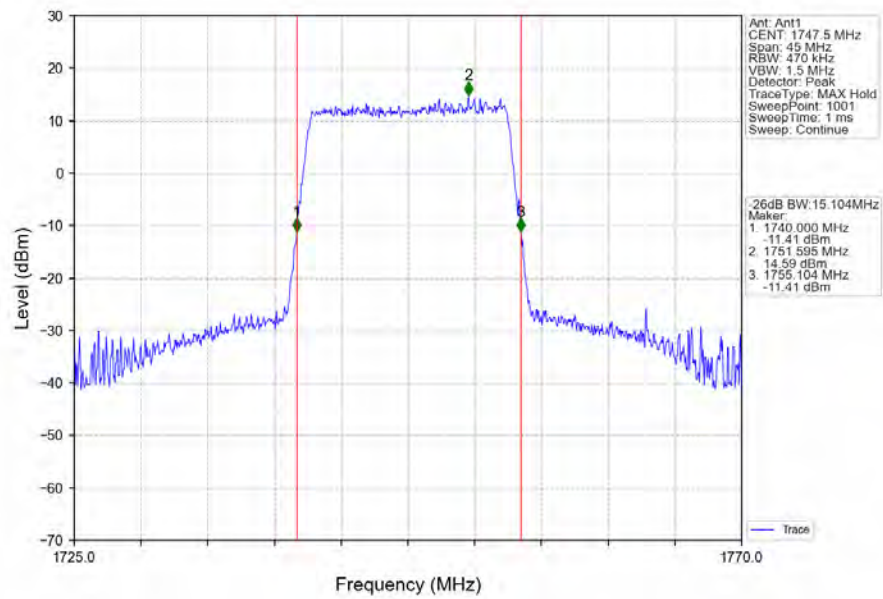
Band4_15MHz_256QAM_LCH_1717.5MHz_RB_75_0_NTNV



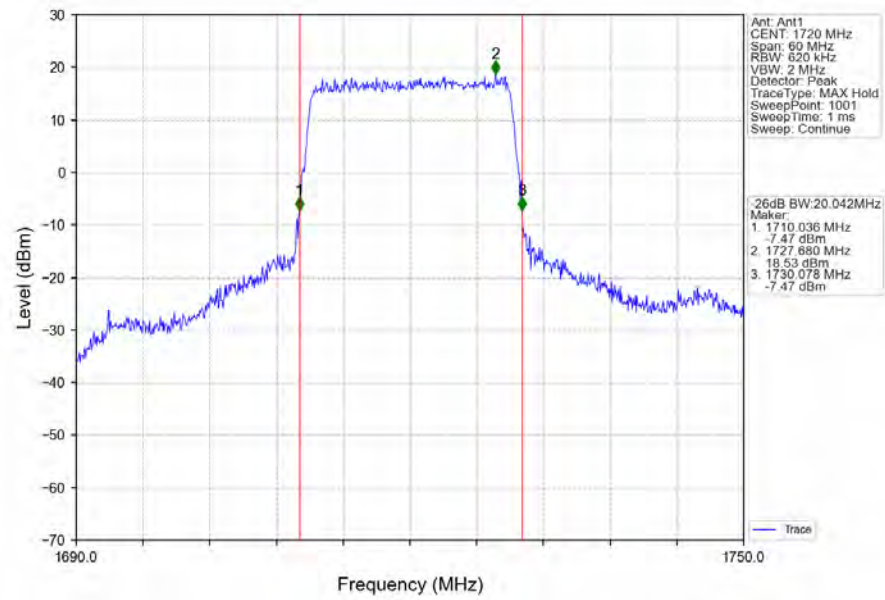
Band4_15MHz_256QAM_MCH_1732.5MHz_RB_75_0_NTNV



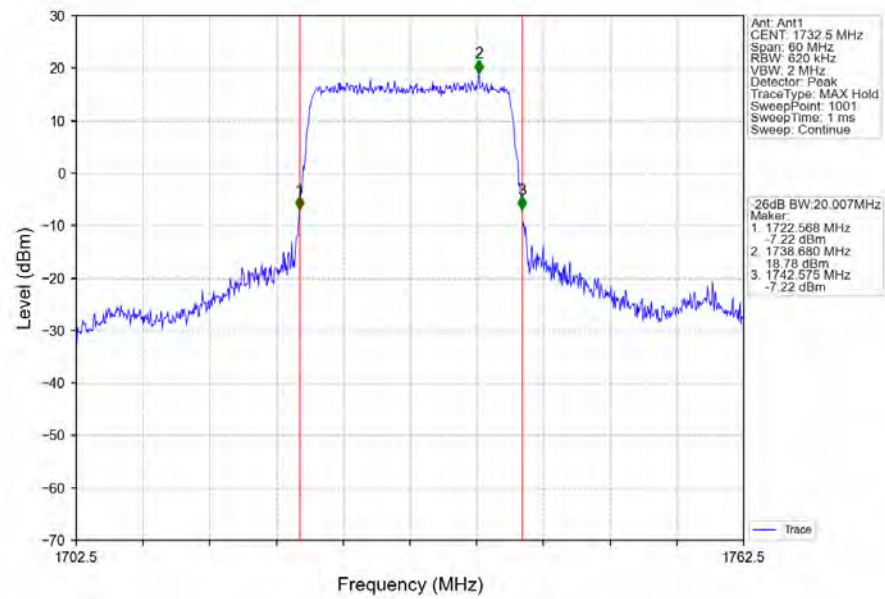
Band4_15MHz_256QAM_HCH_1747.5MHz_RB_75_0_NTNV



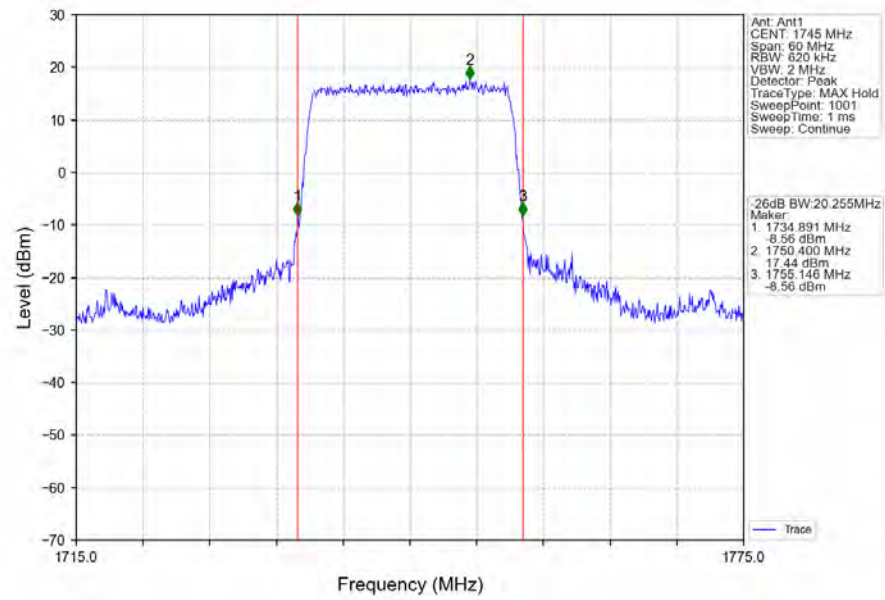
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



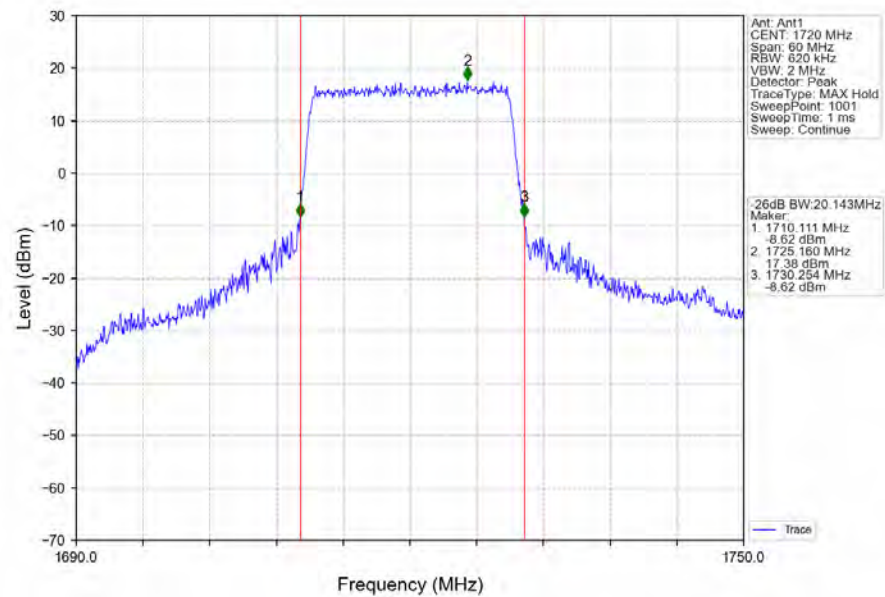
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



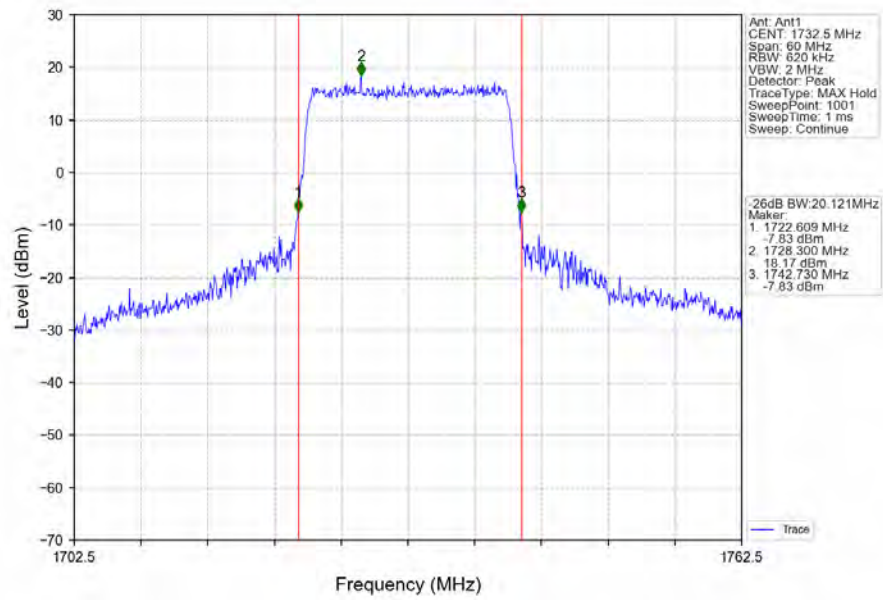
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



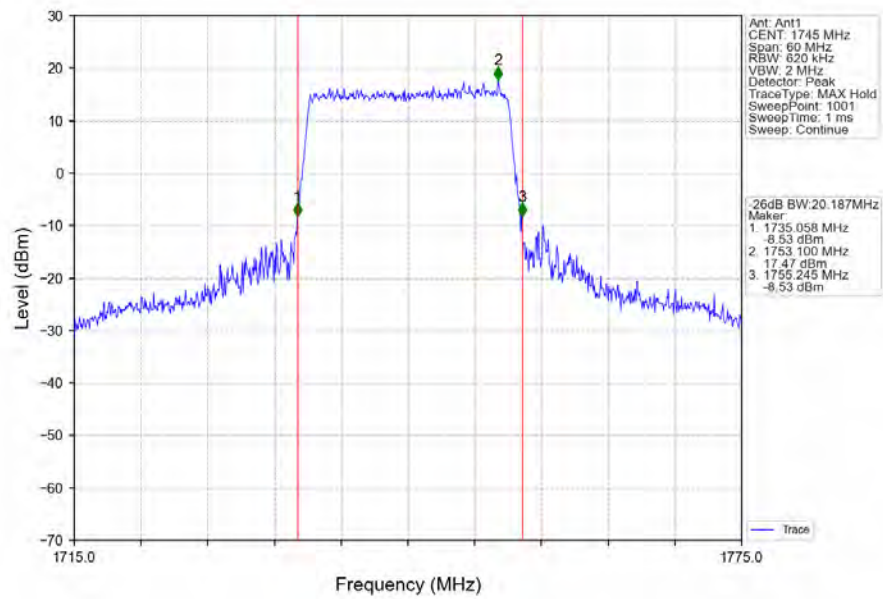
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



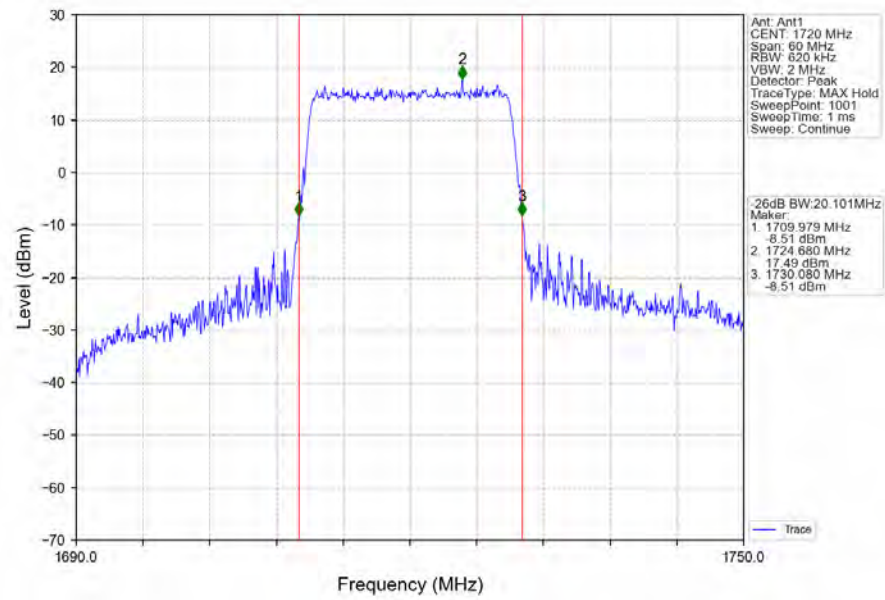
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



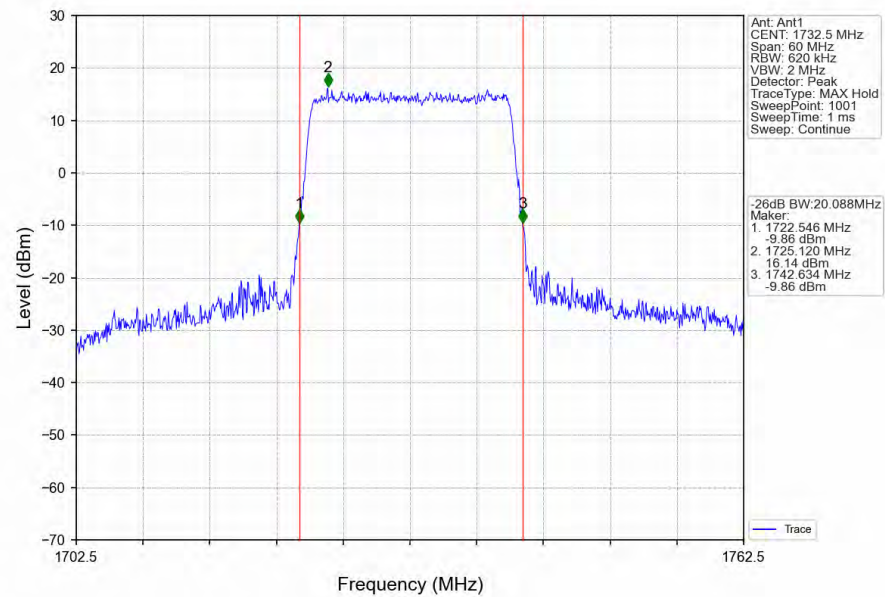
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



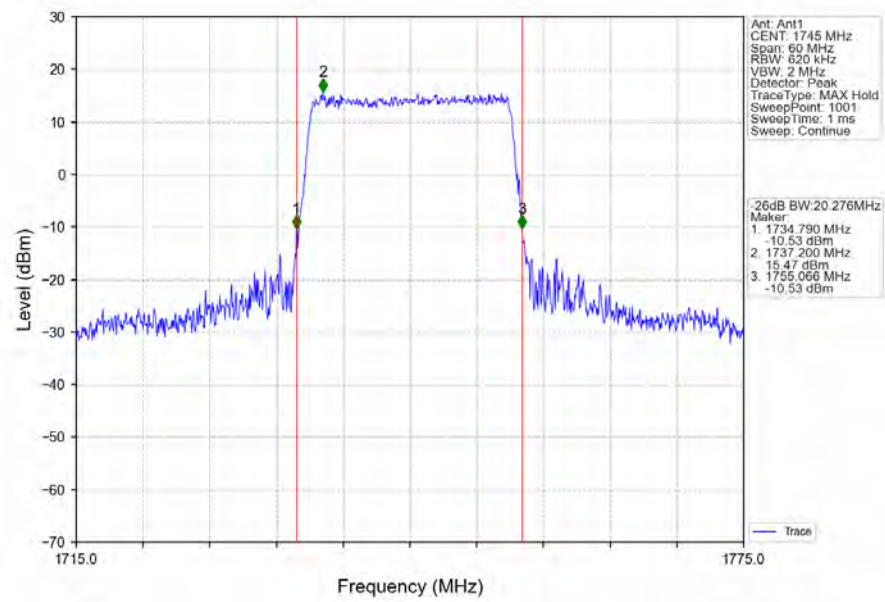
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



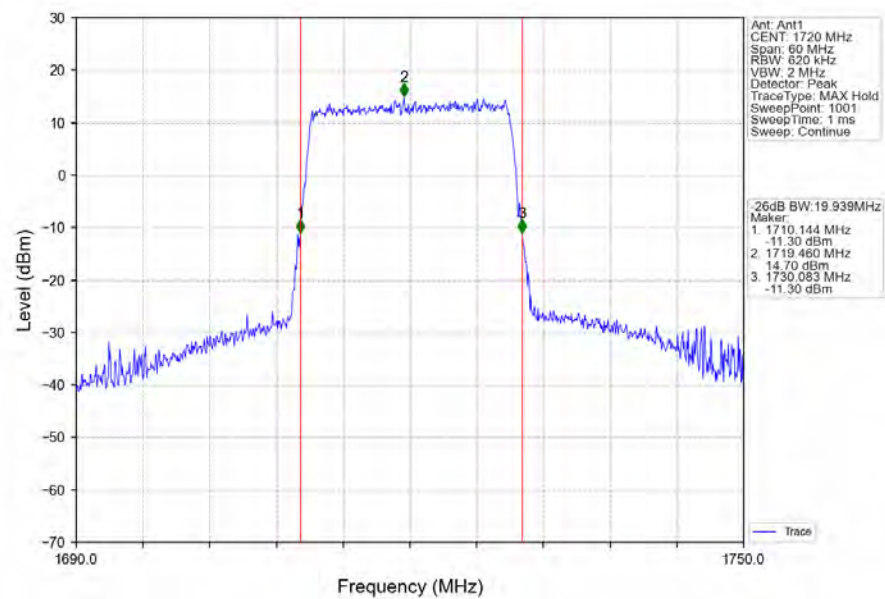
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



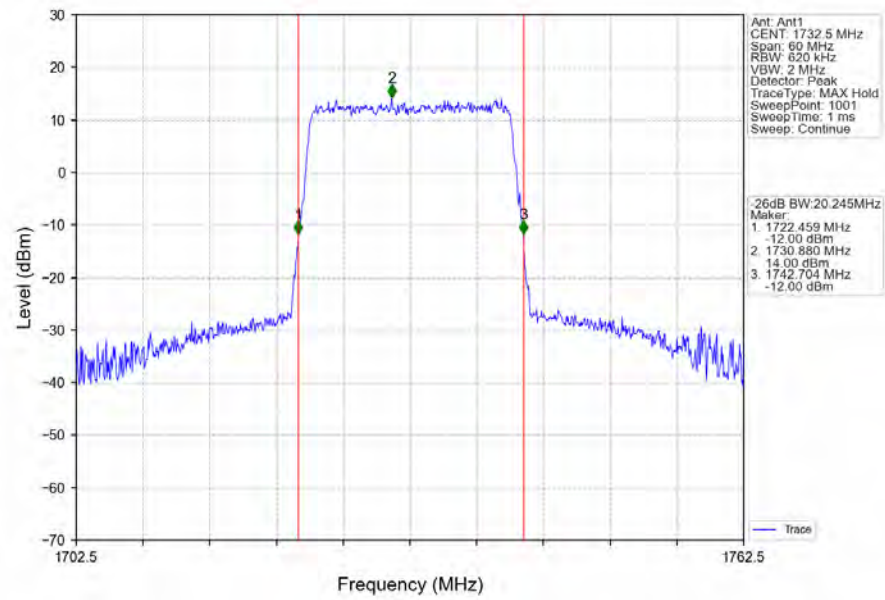
Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



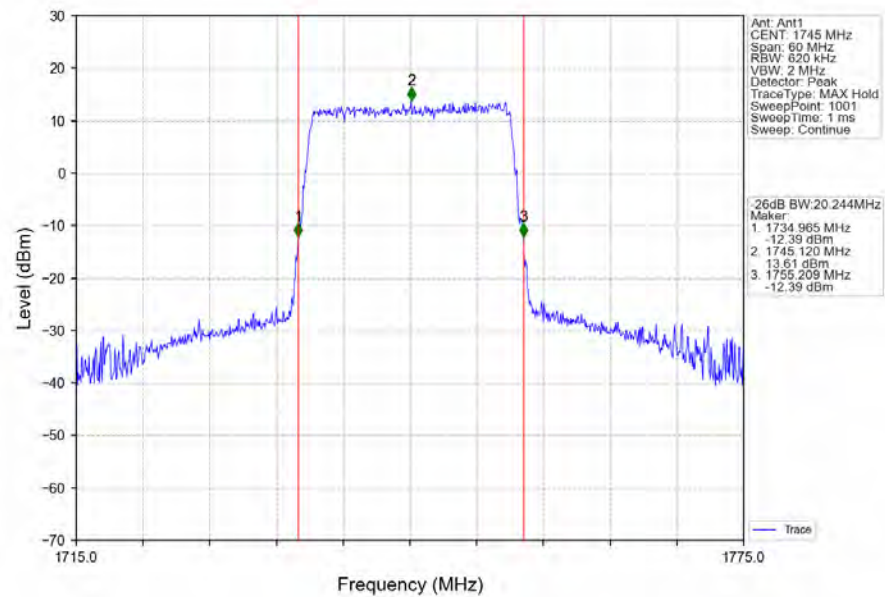
Band4_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

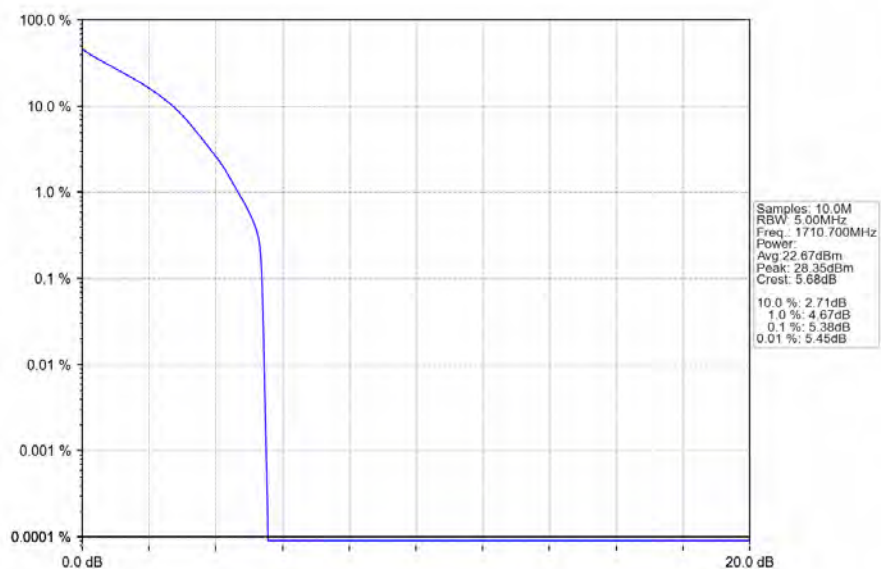
4.1 B4_1.4MHz

4.1.1 Test Result

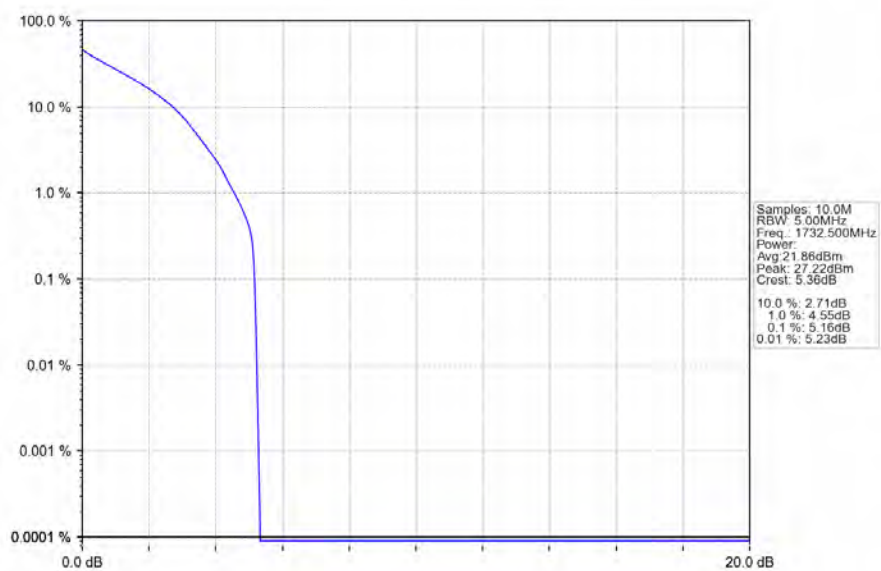
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.38	<=13	Pass
	1732.5	6	0	5.16	<=13	Pass
	1754.3	6	0	5.26	<=13	Pass
16QAM	1710.7	6	0	6.36	<=13	Pass
	1732.5	6	0	6.15	<=13	Pass
	1754.3	6	0	6.23	<=13	Pass
64QAM	1710.7	6	0	6.91	<=13	Pass
	1732.5	6	0	6.71	<=13	Pass
	1754.3	6	0	6.76	<=13	Pass
256QAM	1710.7	6	0	7.08	<=13	Pass
	1732.5	6	0	6.93	<=13	Pass
	1754.3	6	0	7.00	<=13	Pass

4.1.2 Test Graph

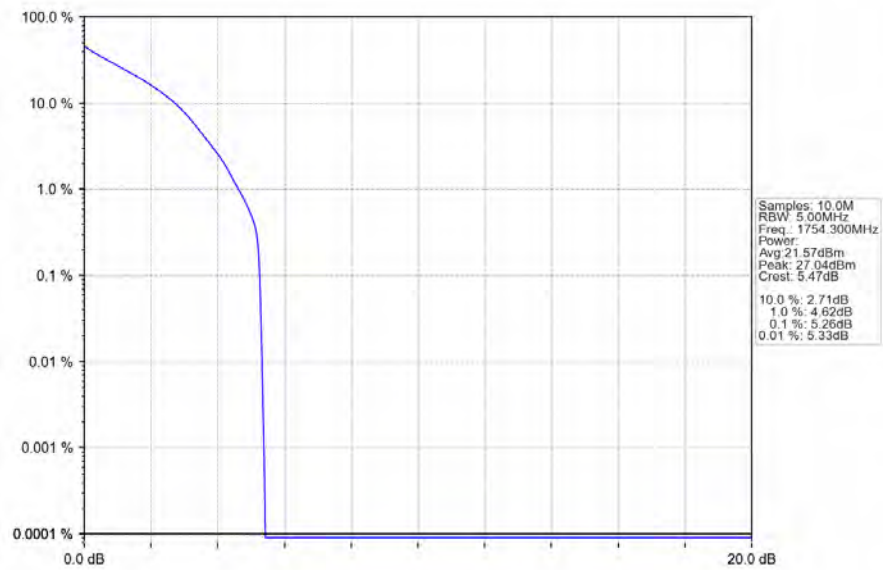
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



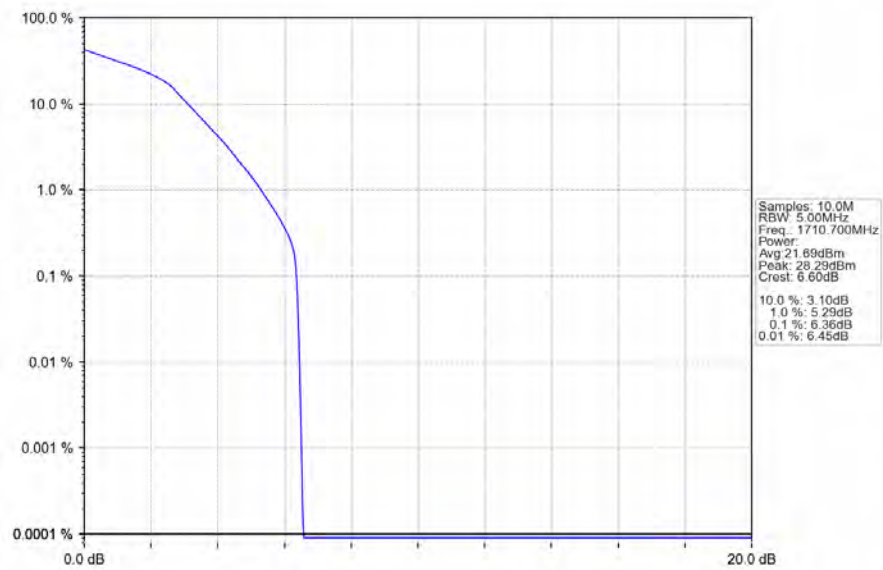
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



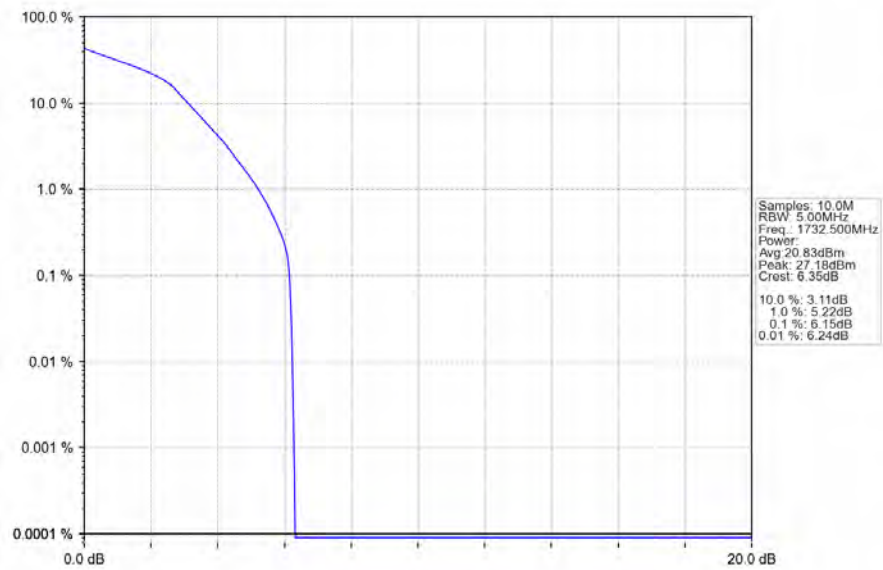
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



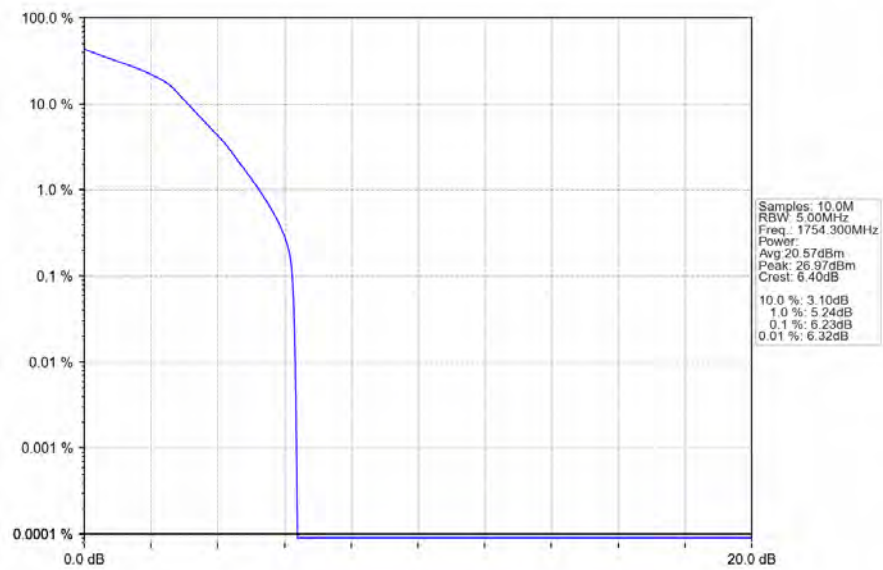
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



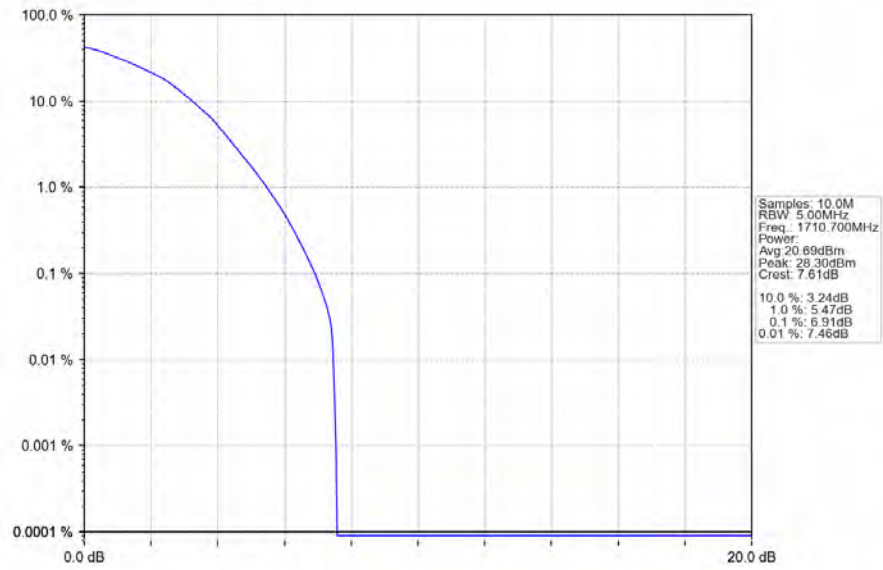
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



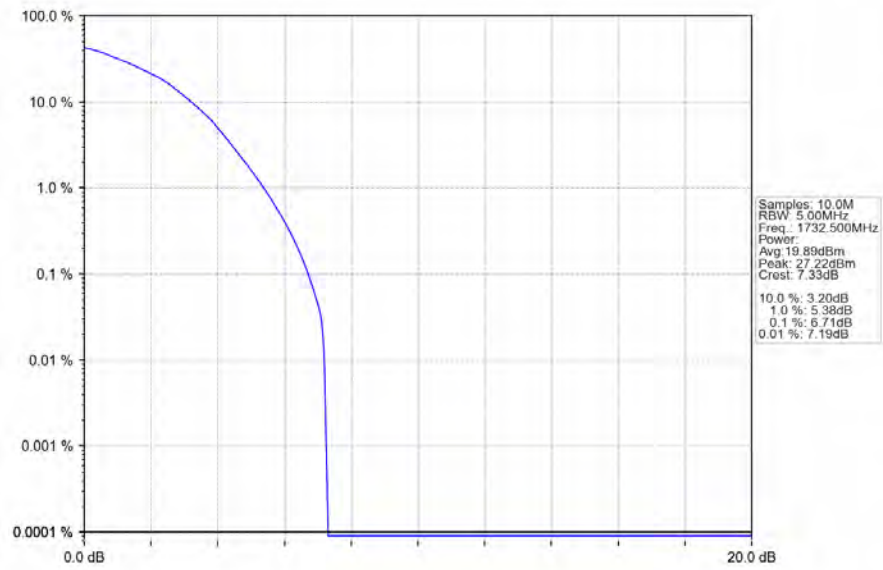
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



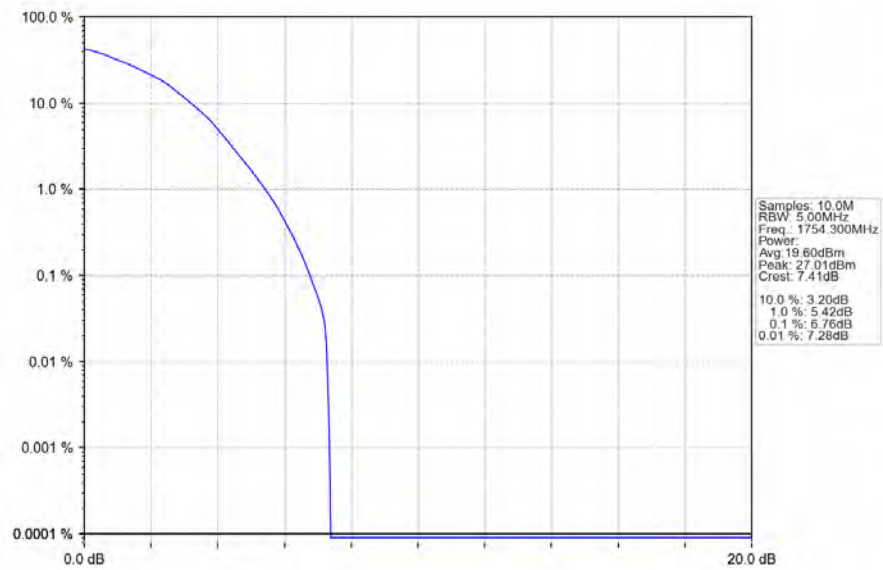
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



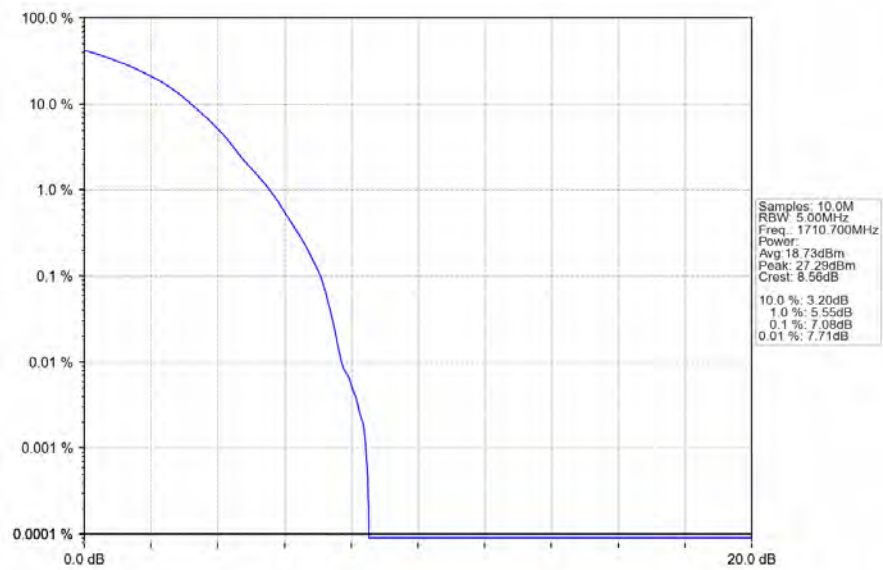
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



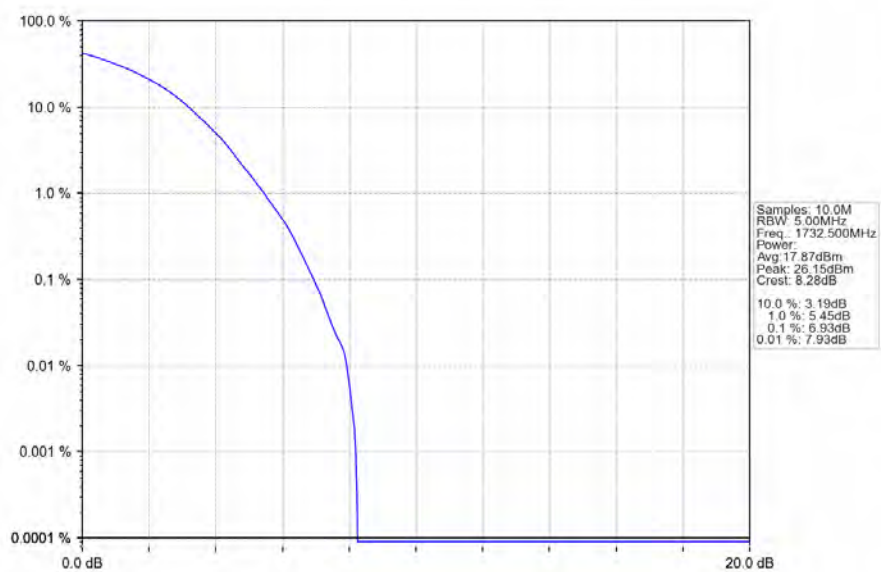
Band4 1.4MHz 64QAM HCH 1754.3MHz RB 6 0 NTV



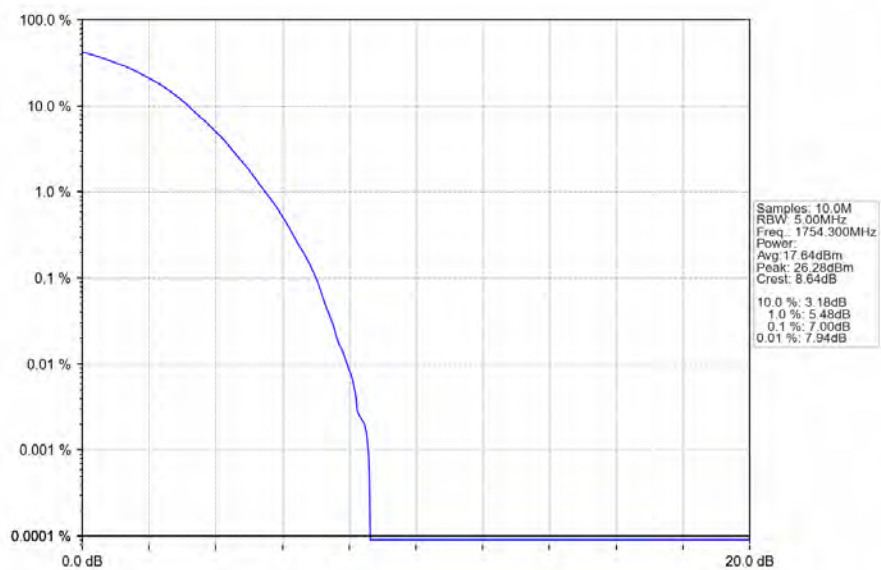
Band4 1.4MHz 256QAM LCH 1710.7MHz RB 6 0 NTV



Band4_1.4MHz_256QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_256QAM_HCH_1754.3MHz_RB_6_0_NTNV

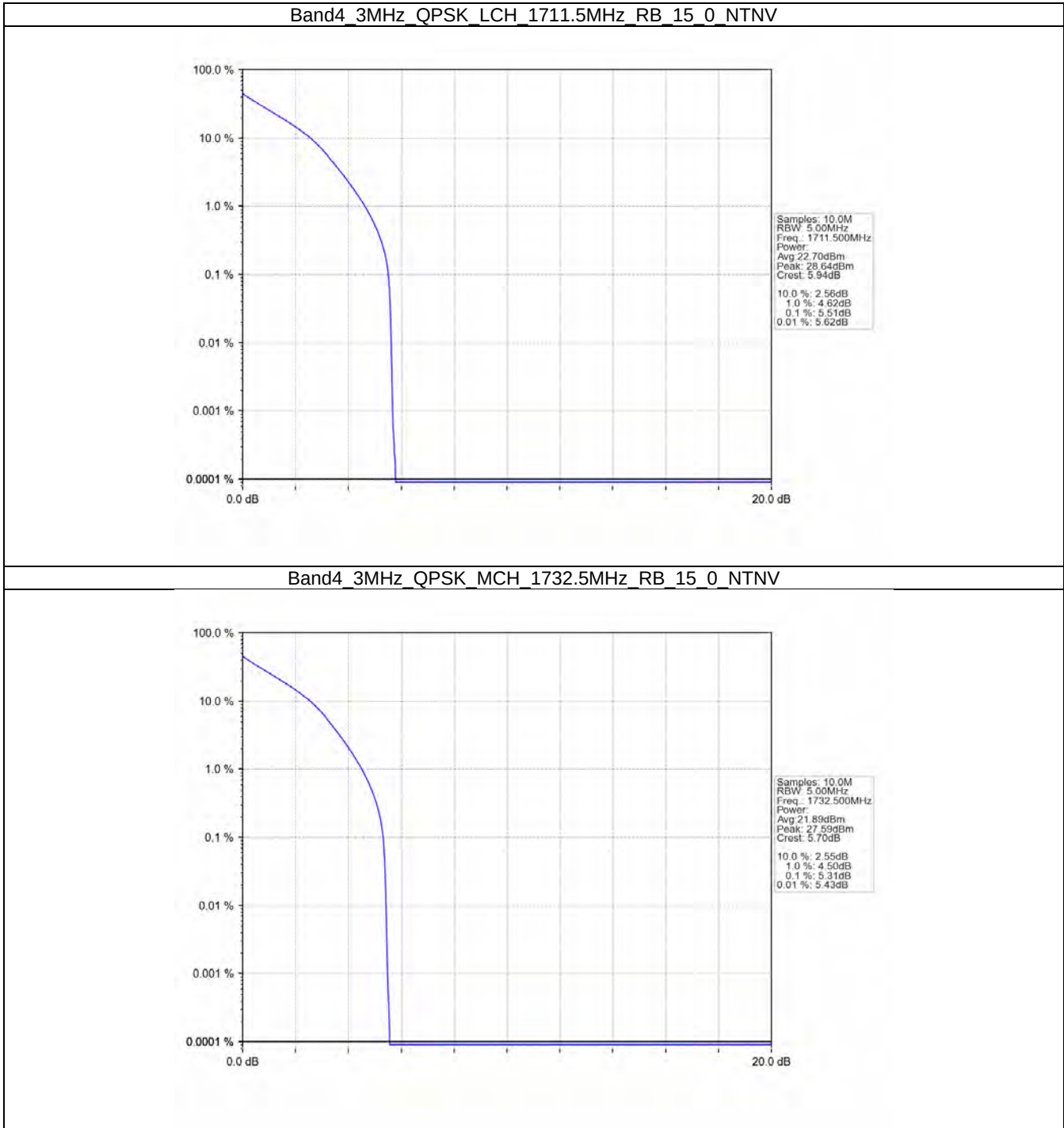


4.2 B4_3MHz

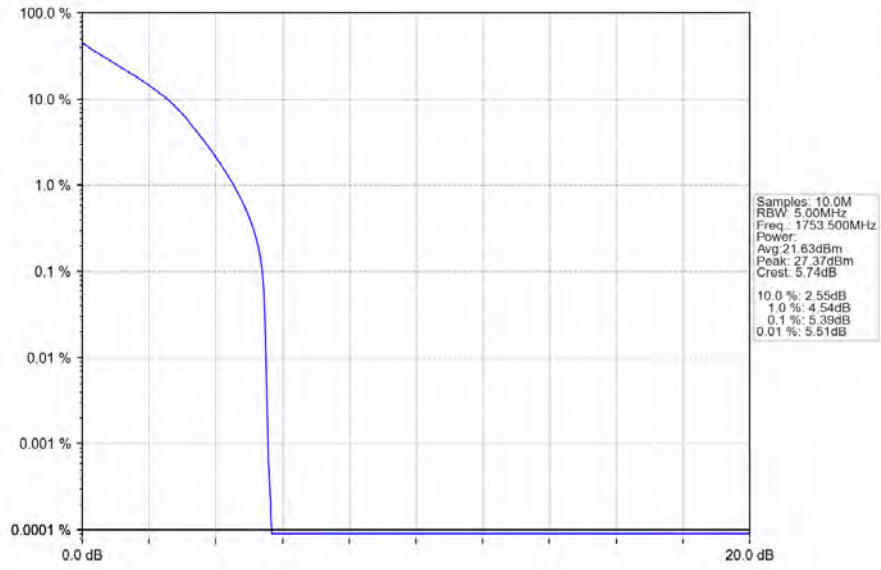
4.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.51	<=13	Pass
	1732.5	15	0	5.31	<=13	Pass
	1753.5	15	0	5.39	<=13	Pass
16QAM	1711.5	15	0	6.48	<=13	Pass
	1732.5	15	0	6.24	<=13	Pass
	1753.5	15	0	6.32	<=13	Pass
64QAM	1711.5	15	0	6.91	<=13	Pass
	1732.5	15	0	6.73	<=13	Pass
	1753.5	15	0	6.76	<=13	Pass
256QAM	1711.5	15	0	7.09	<=13	Pass
	1732.5	15	0	7.01	<=13	Pass
	1753.5	15	0	7.01	<=13	Pass

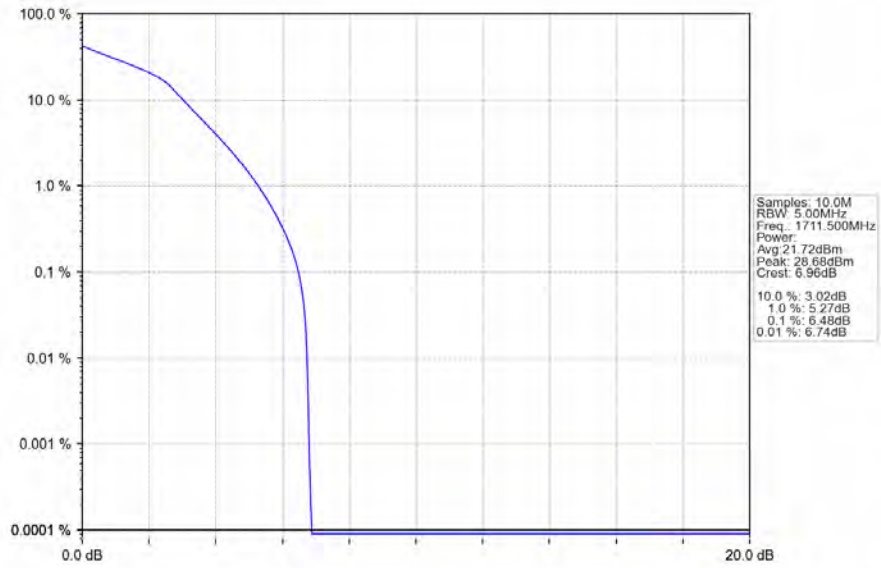
4.2.2 Test Graph



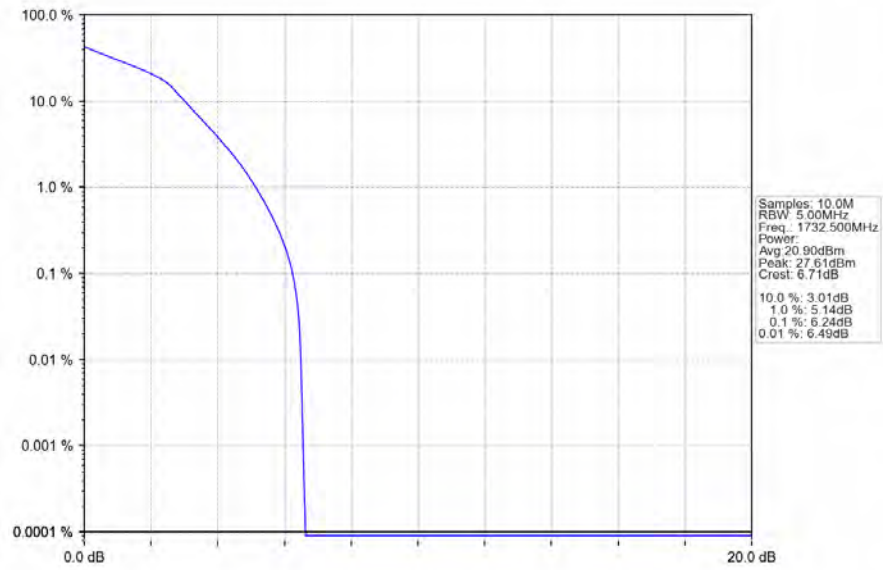
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



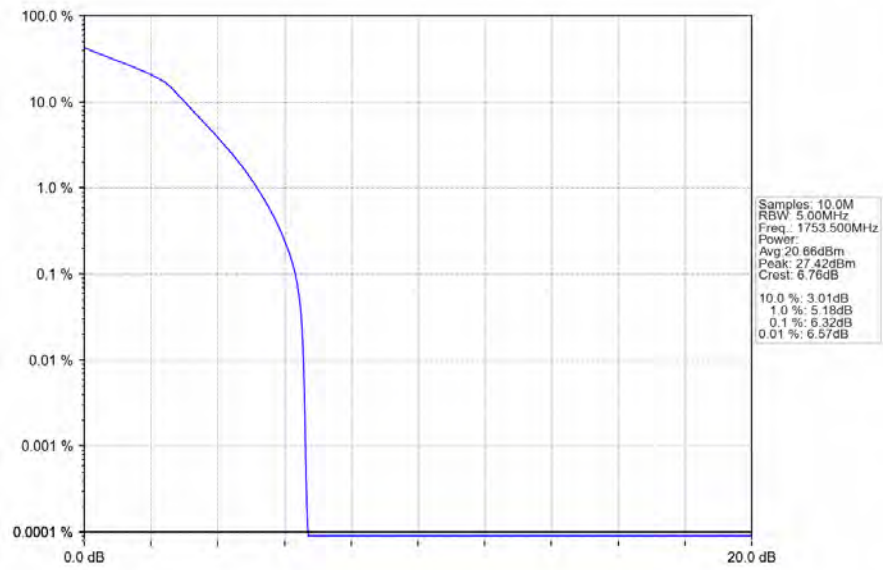
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



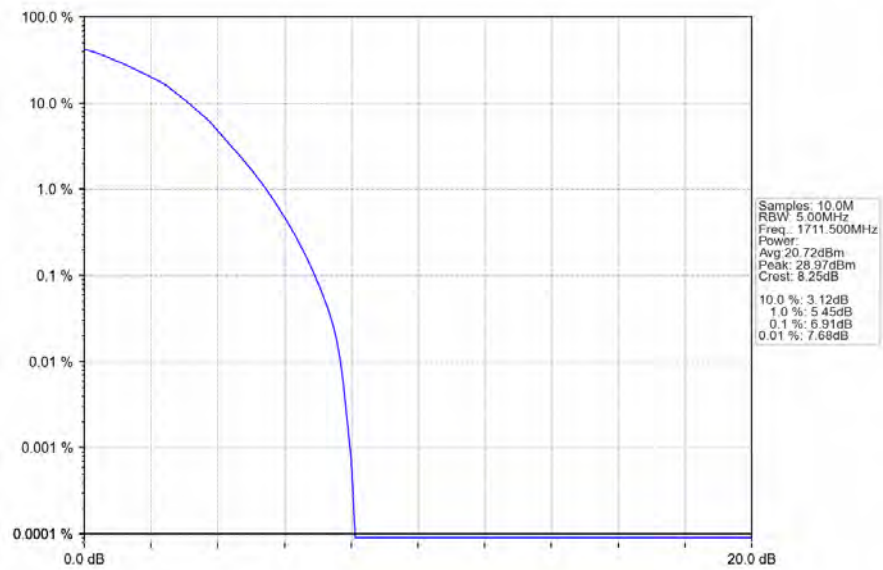
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



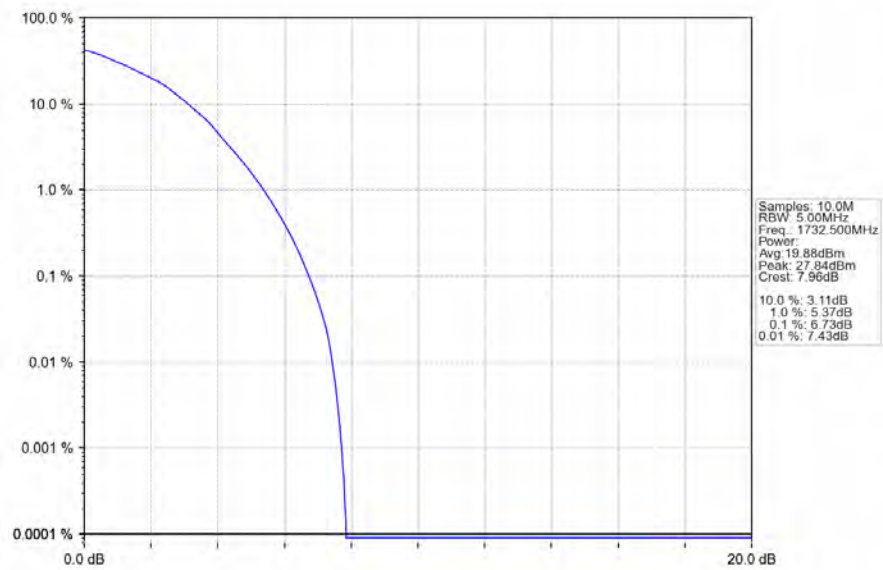
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



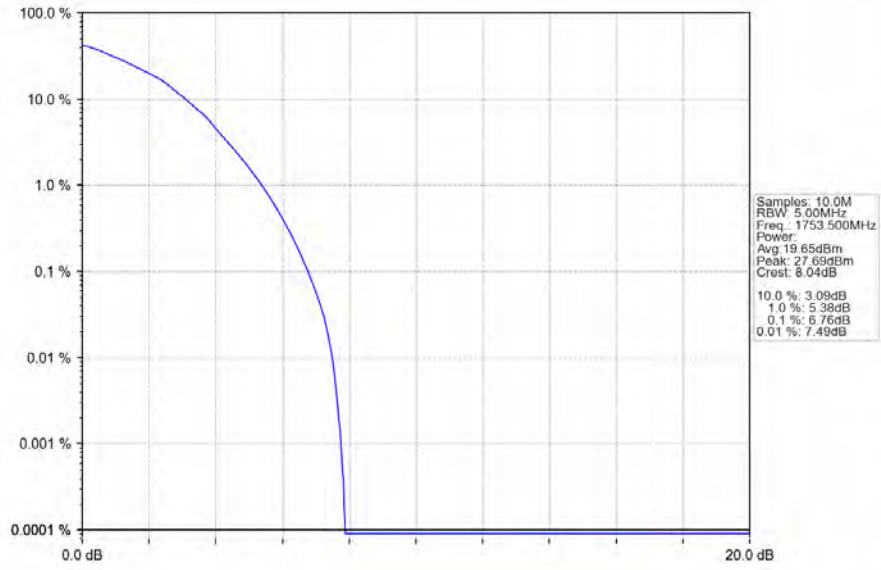
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



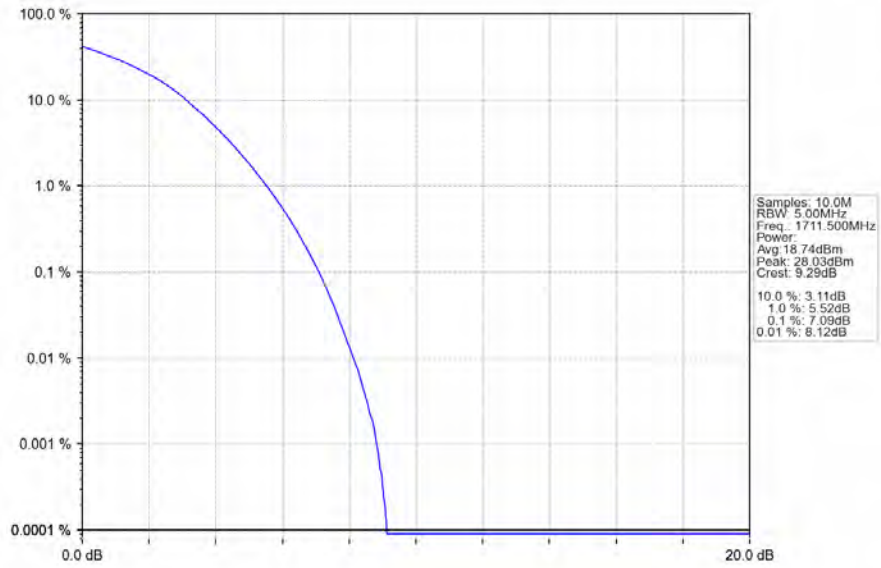
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



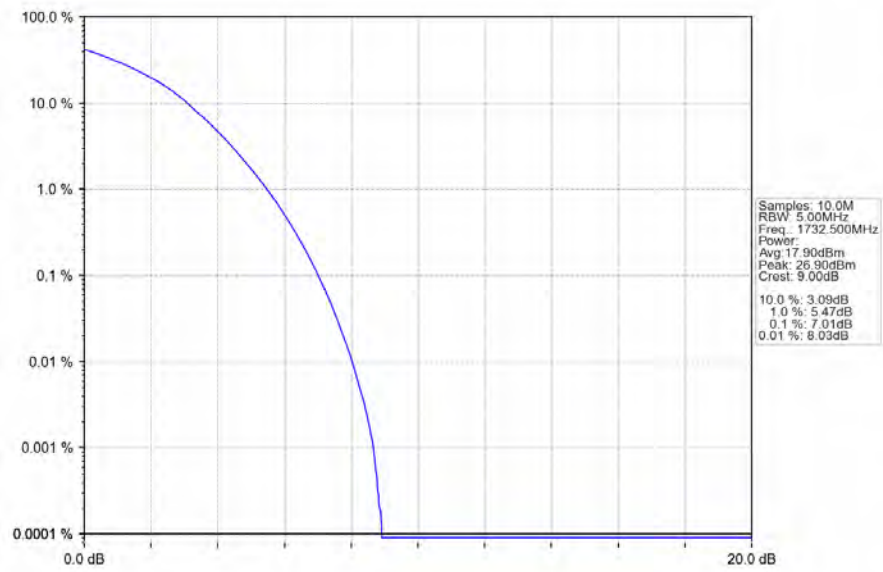
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



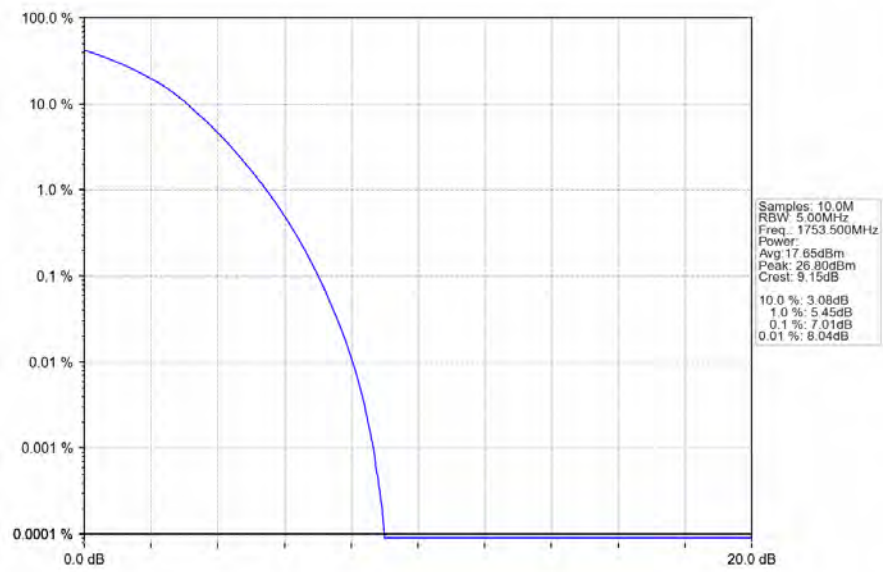
Band4_3MHz_256QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_HCH_1753.5MHz_RB_15_0_NTNV

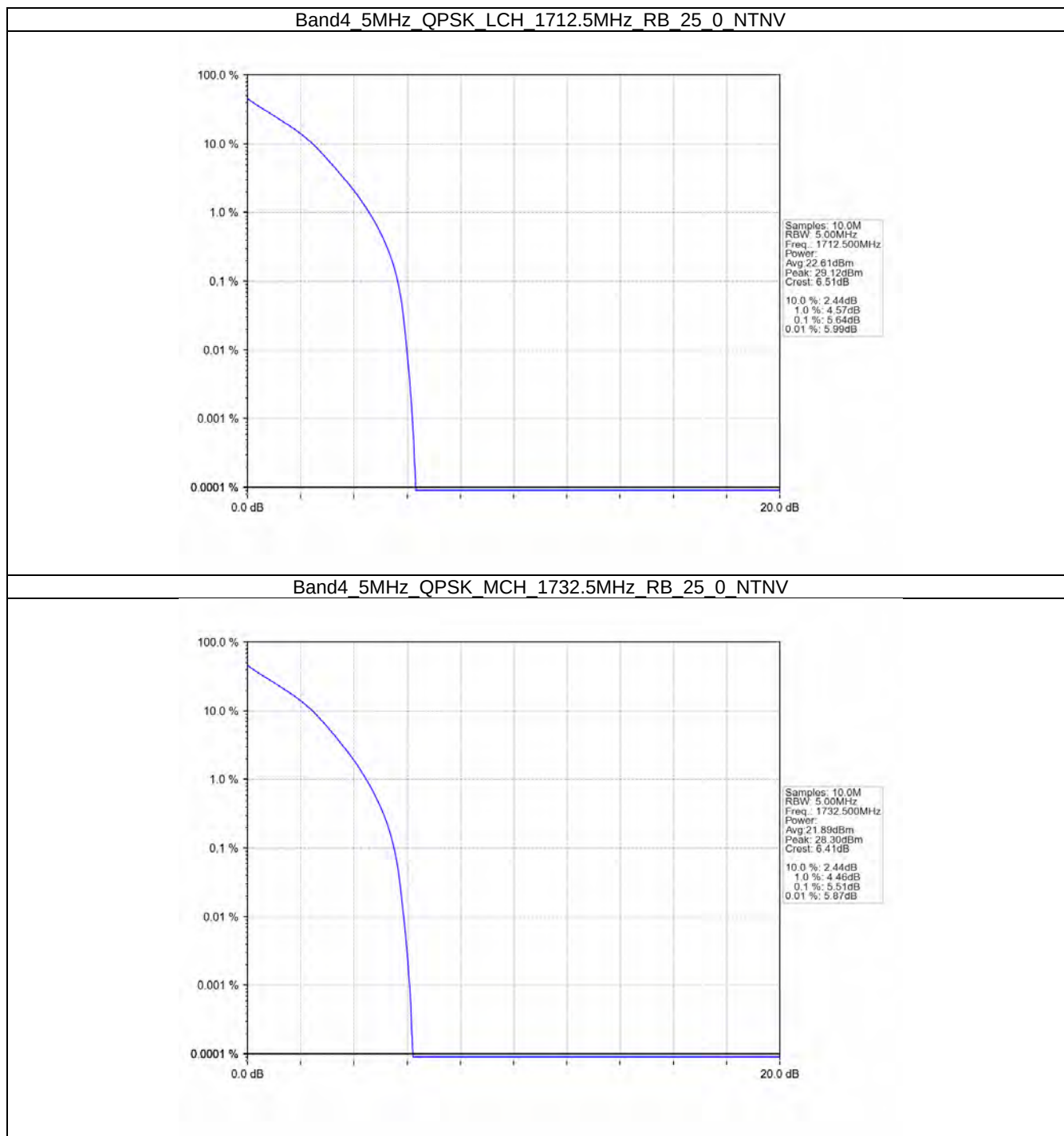


4.3 B4_5MHz

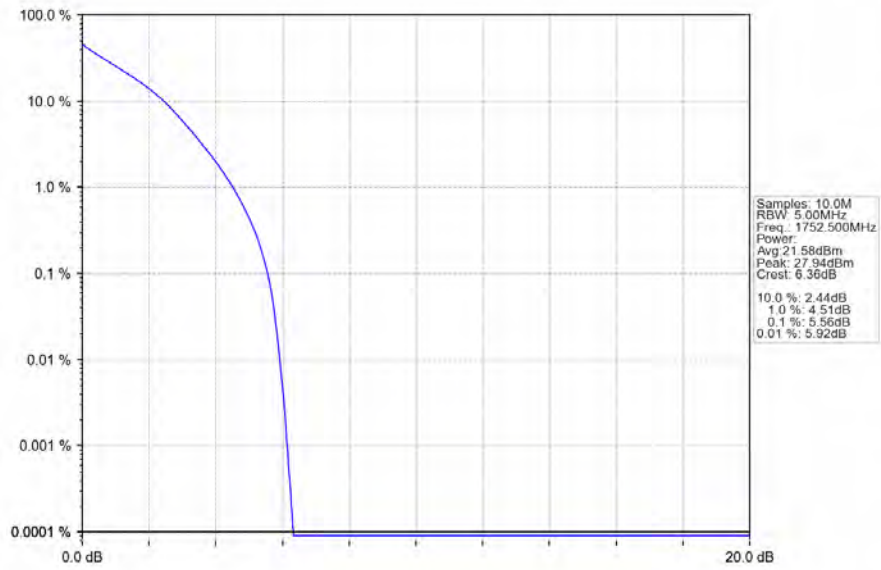
4.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.64	<=13	Pass
	1732.5	25	0	5.51	<=13	Pass
	1752.5	25	0	5.56	<=13	Pass
16QAM	1712.5	25	0	6.48	<=13	Pass
	1732.5	25	0	6.35	<=13	Pass
	1752.5	25	0	6.40	<=13	Pass
64QAM	1712.5	25	0	10.27	<=13	Pass
	1732.5	25	0	10.21	<=13	Pass
	1752.5	25	0	10.46	<=13	Pass
256QAM	1712.5	25	0	6.97	<=13	Pass
	1732.5	25	0	6.92	<=13	Pass
	1752.5	25	0	6.93	<=13	Pass

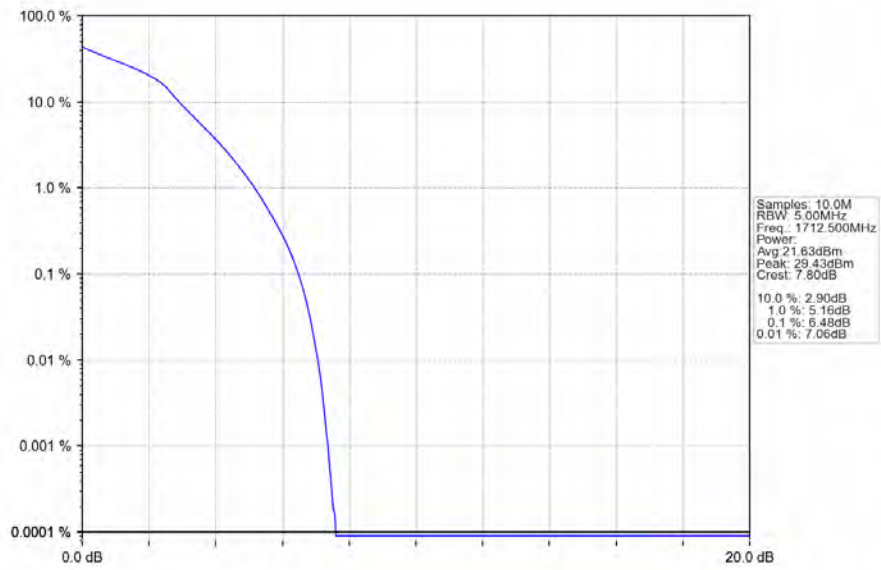
4.3.2 Test Graph



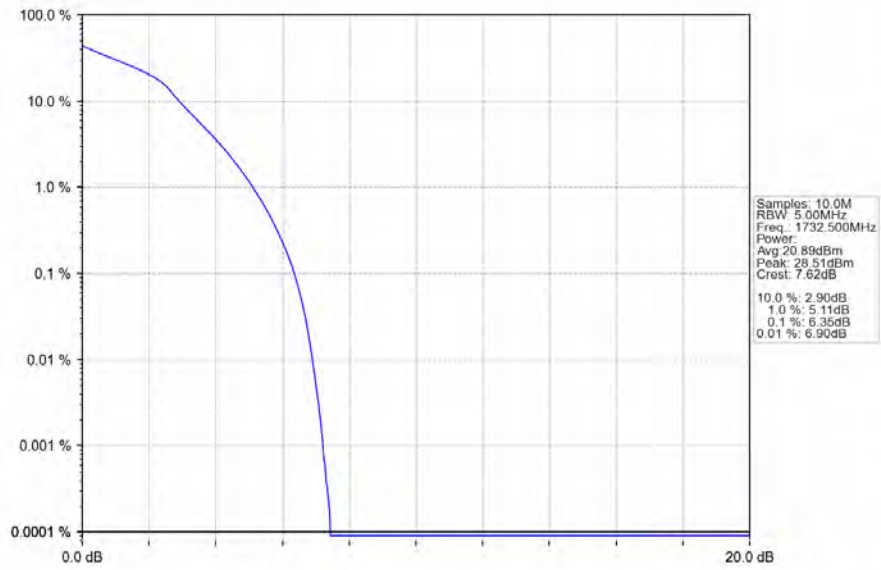
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



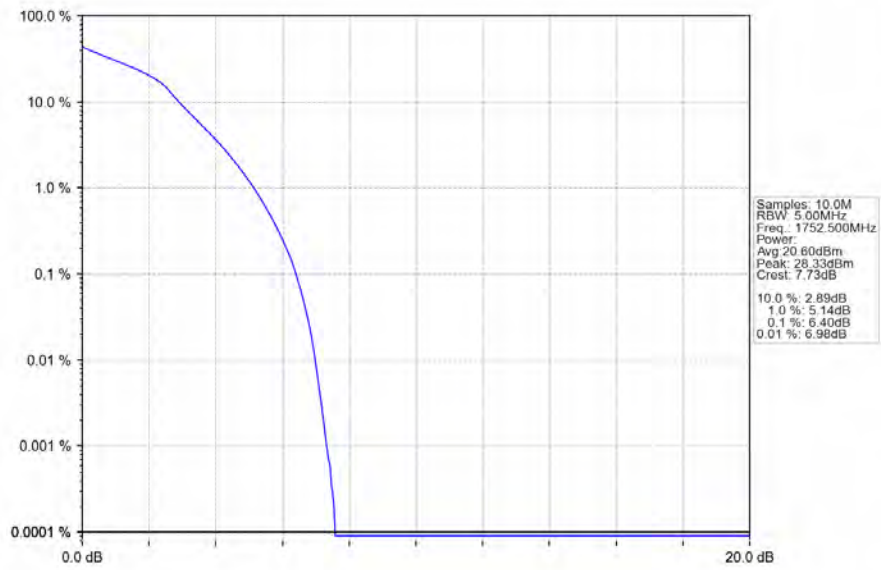
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



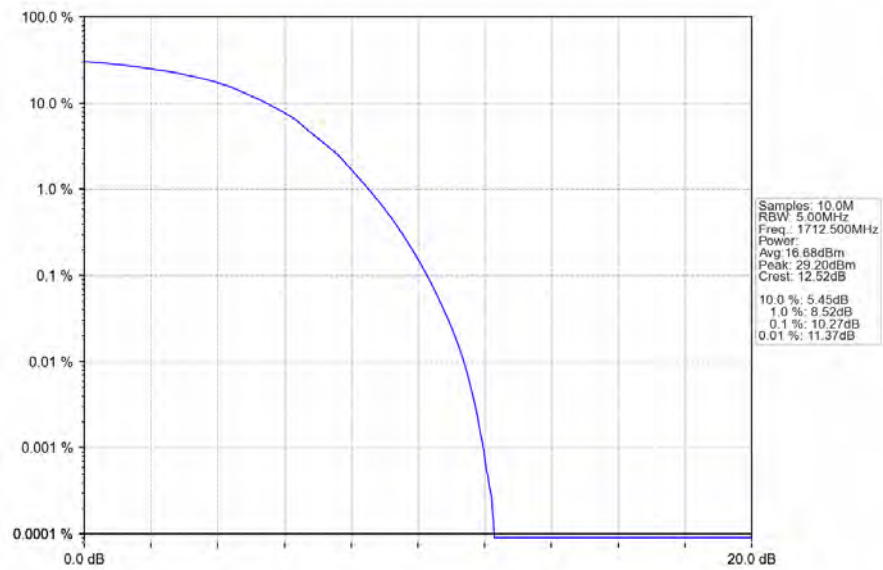
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



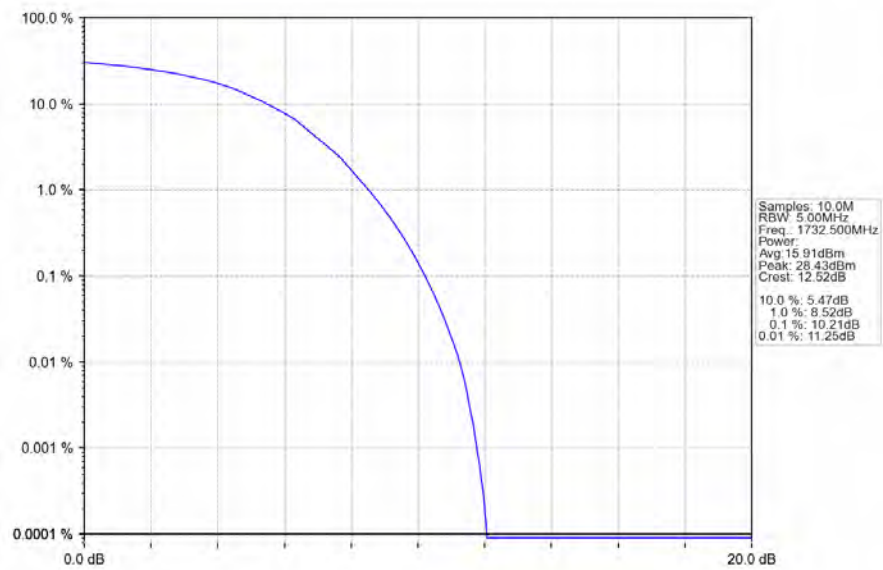
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



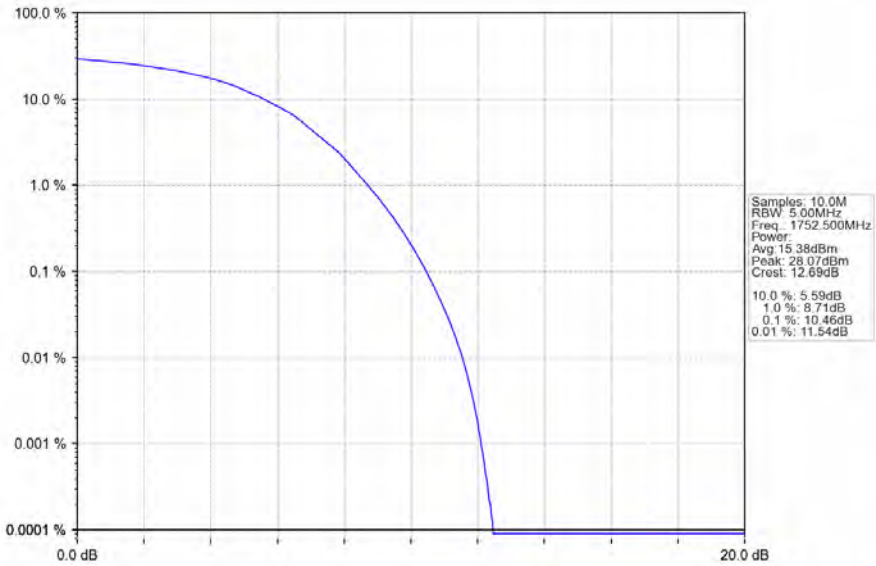
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



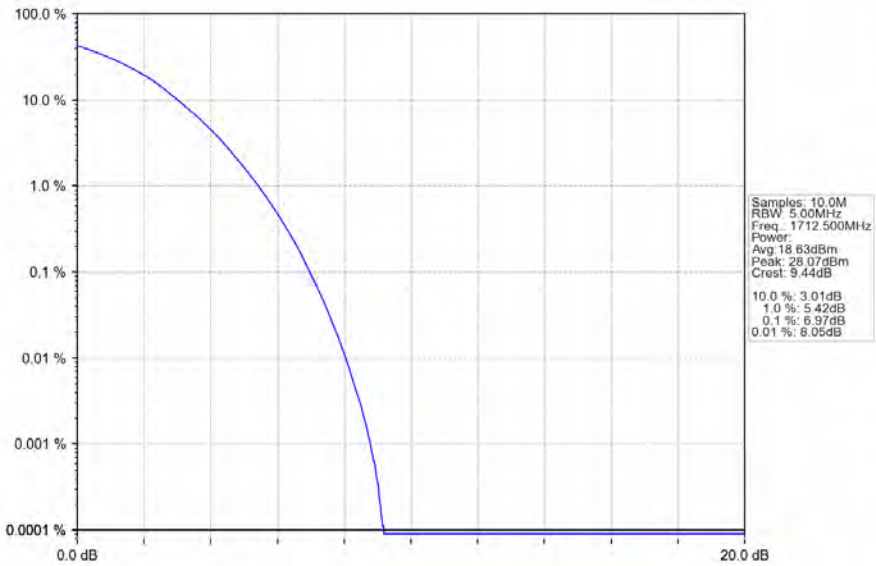
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



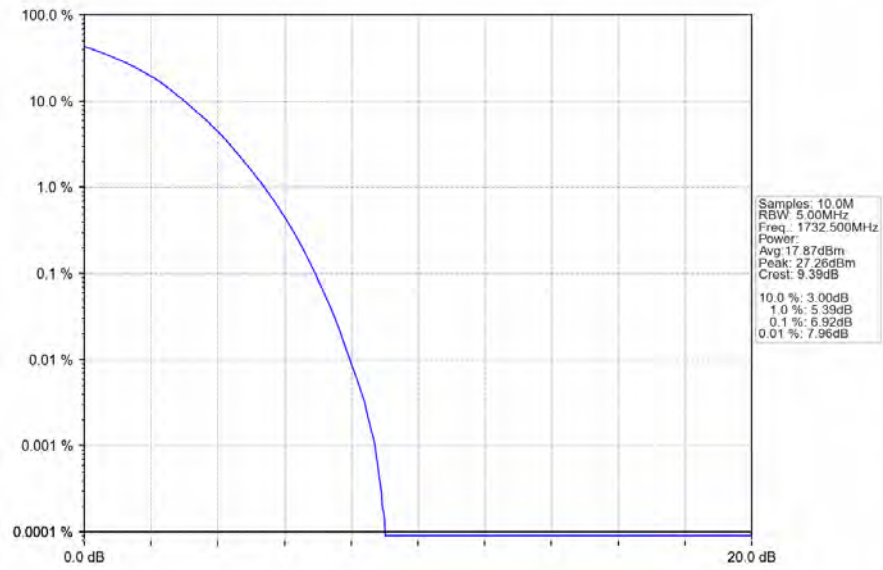
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



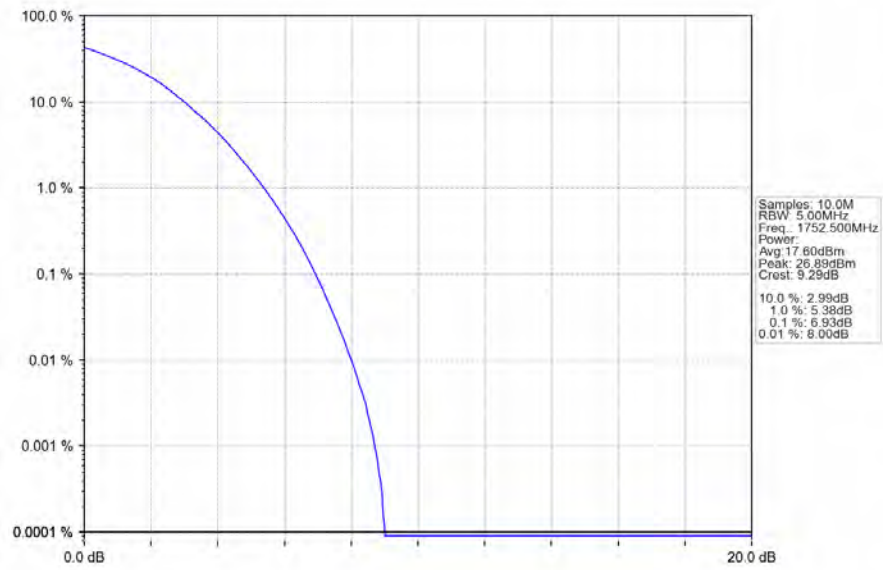
Band4_5MHz_256QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_256QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_256QAM_HCH_1752.5MHz_RB_25_0_NTNV



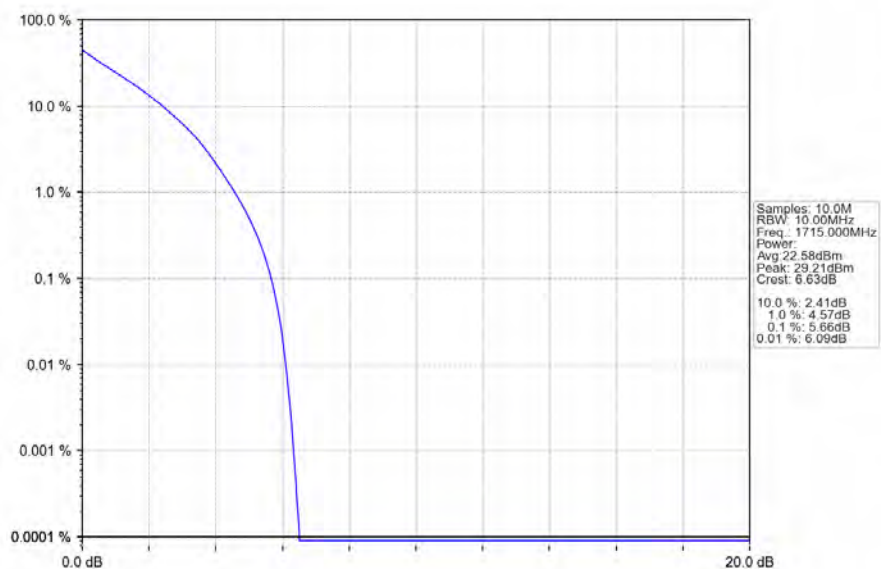
4.4 B4_10MHz

4.4.1 Test Result

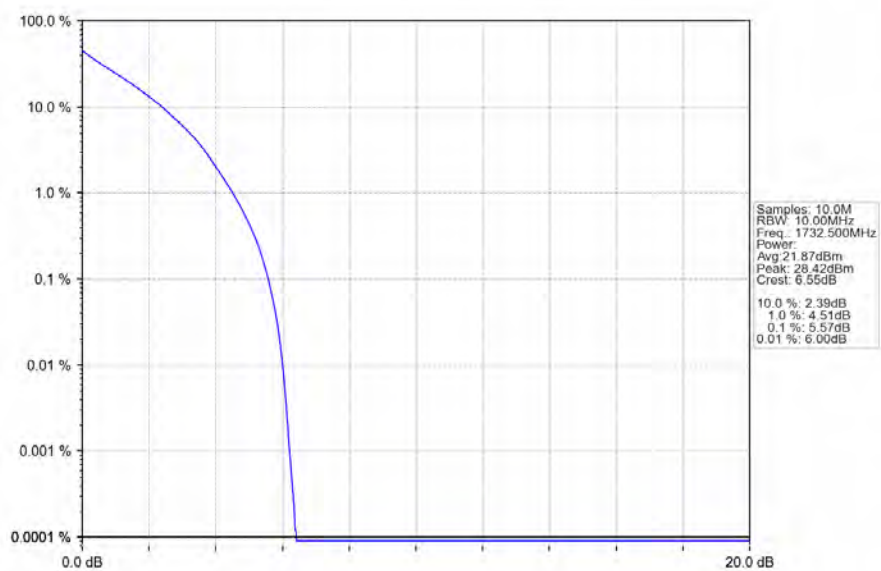
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.66	<=13	Pass
	1732.5	50	0	5.57	<=13	Pass
	1750	50	0	5.58	<=13	Pass
16QAM	1715	50	0	6.48	<=13	Pass
	1732.5	50	0	6.36	<=13	Pass
	1750	50	0	6.40	<=13	Pass
64QAM	1715	50	0	6.84	<=13	Pass
	1732.5	50	0	6.71	<=13	Pass
	1750	50	0	8.07	<=13	Pass
256QAM	1715	50	0	6.97	<=13	Pass
	1732.5	50	0	6.89	<=13	Pass
	1750	50	0	6.90	<=13	Pass

4.4.2 Test Graph

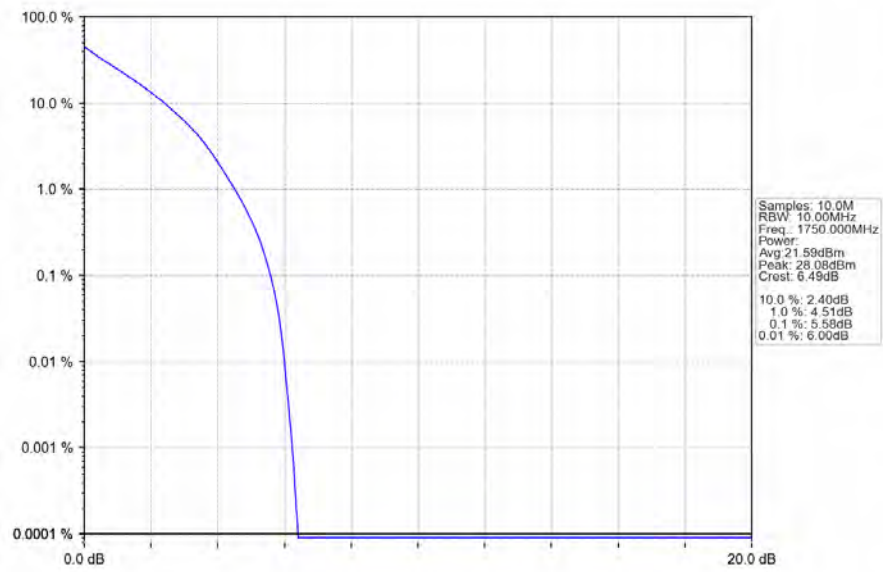
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



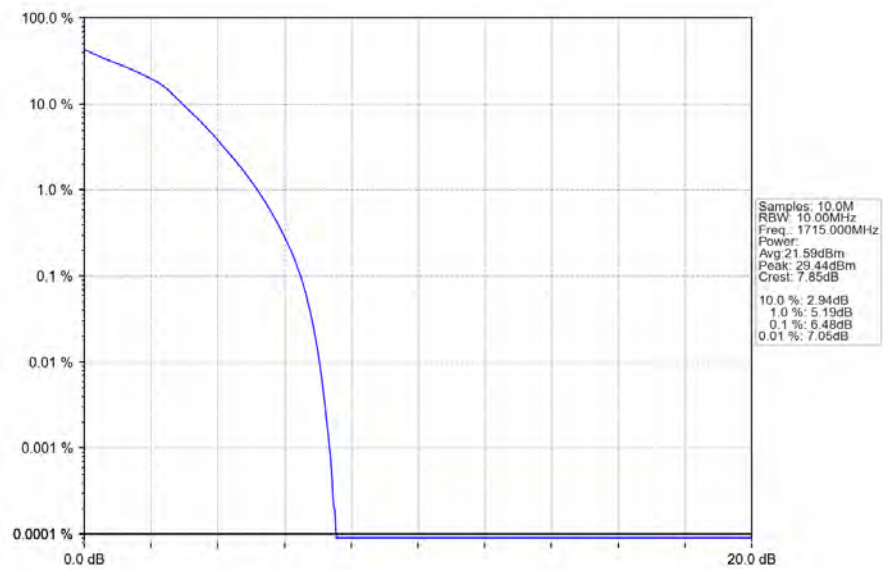
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



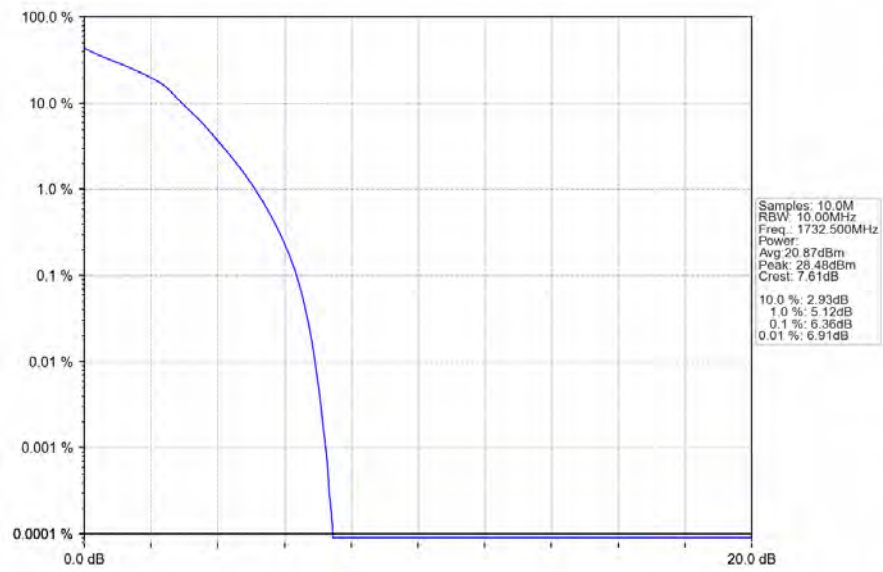
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



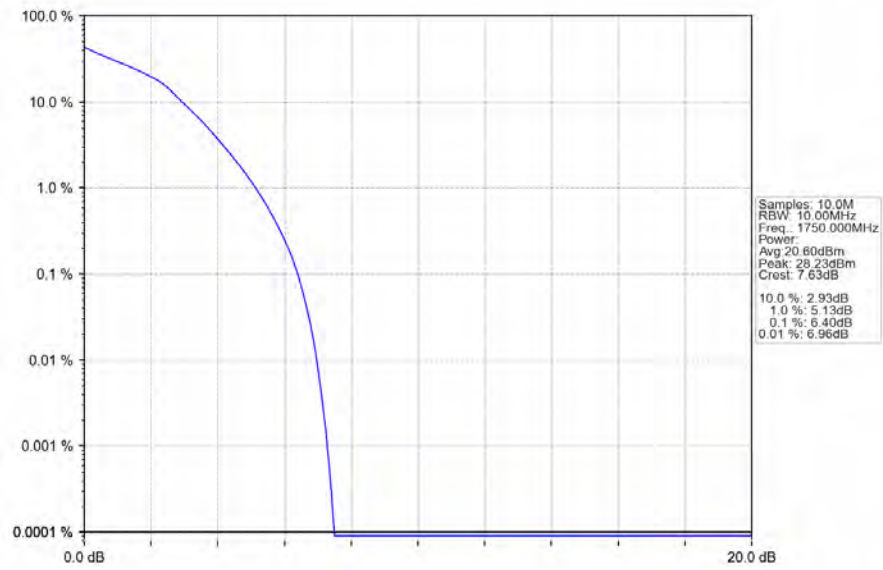
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



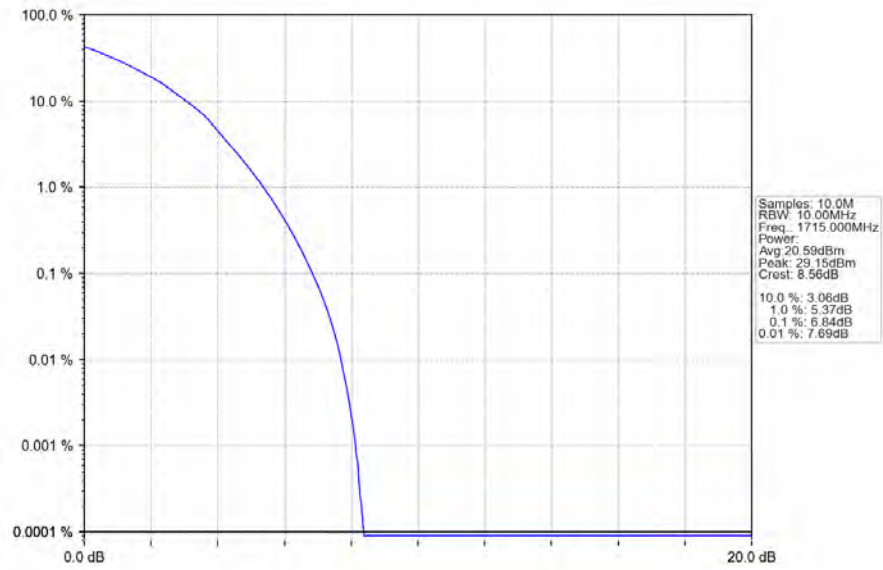
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



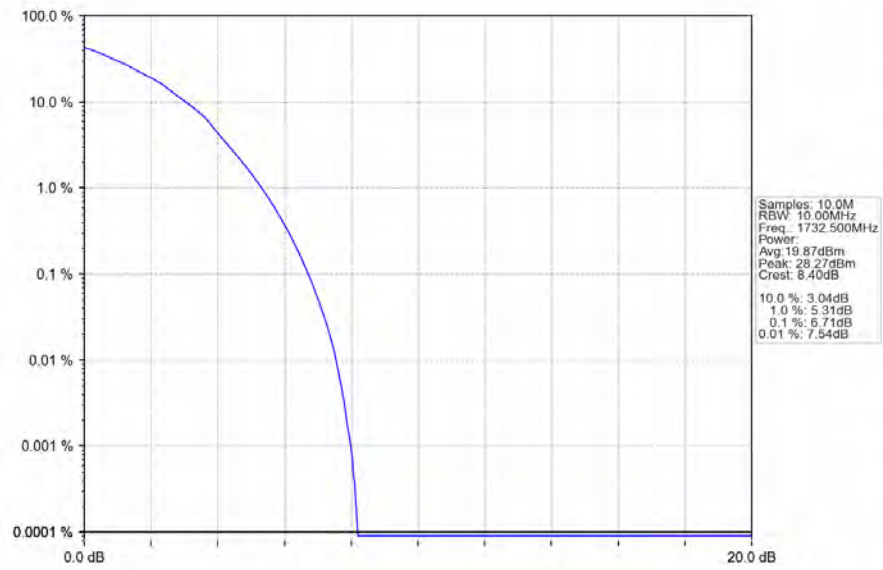
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



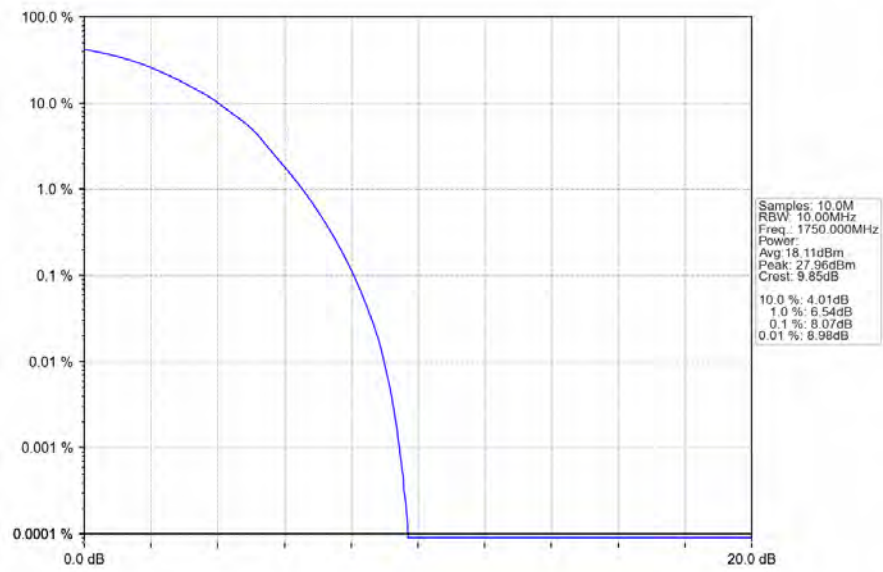
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



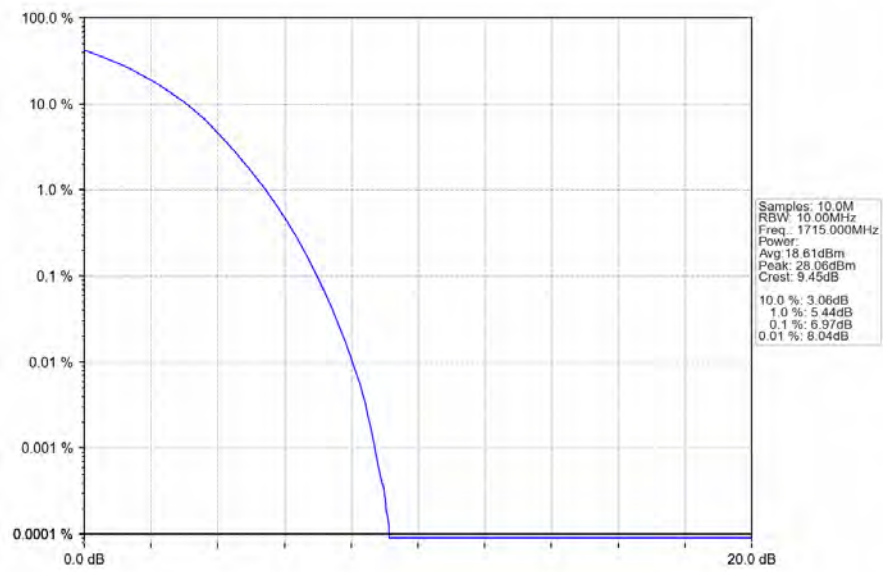
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



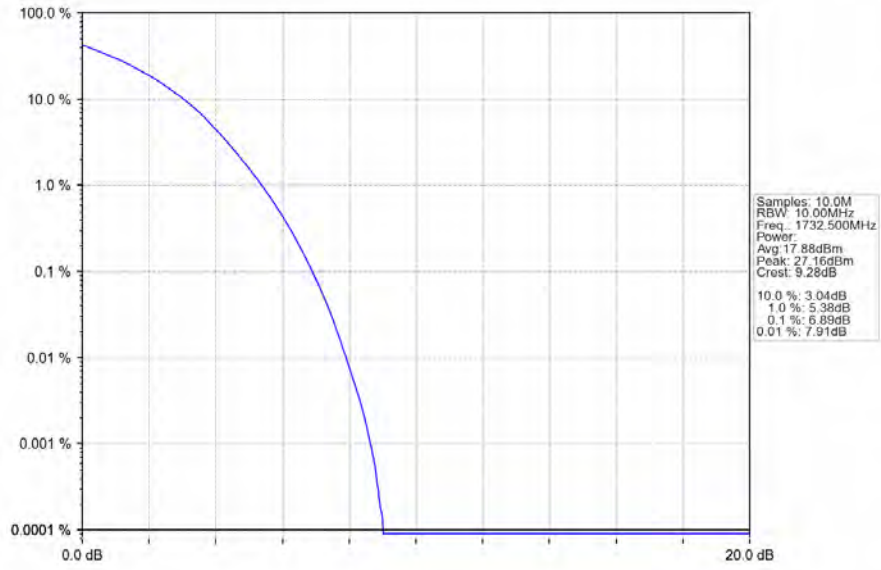
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



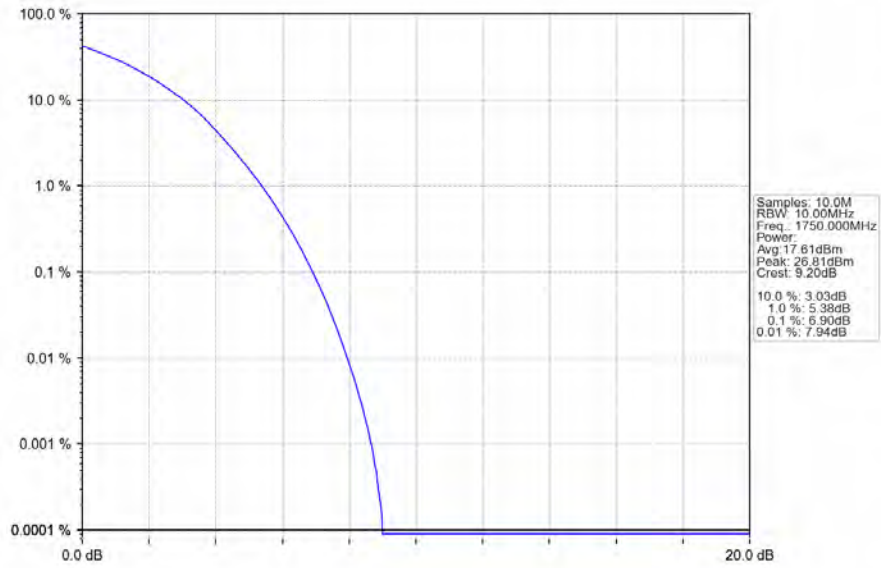
Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_HCH_1750MHz_RB_50_0_NTNV

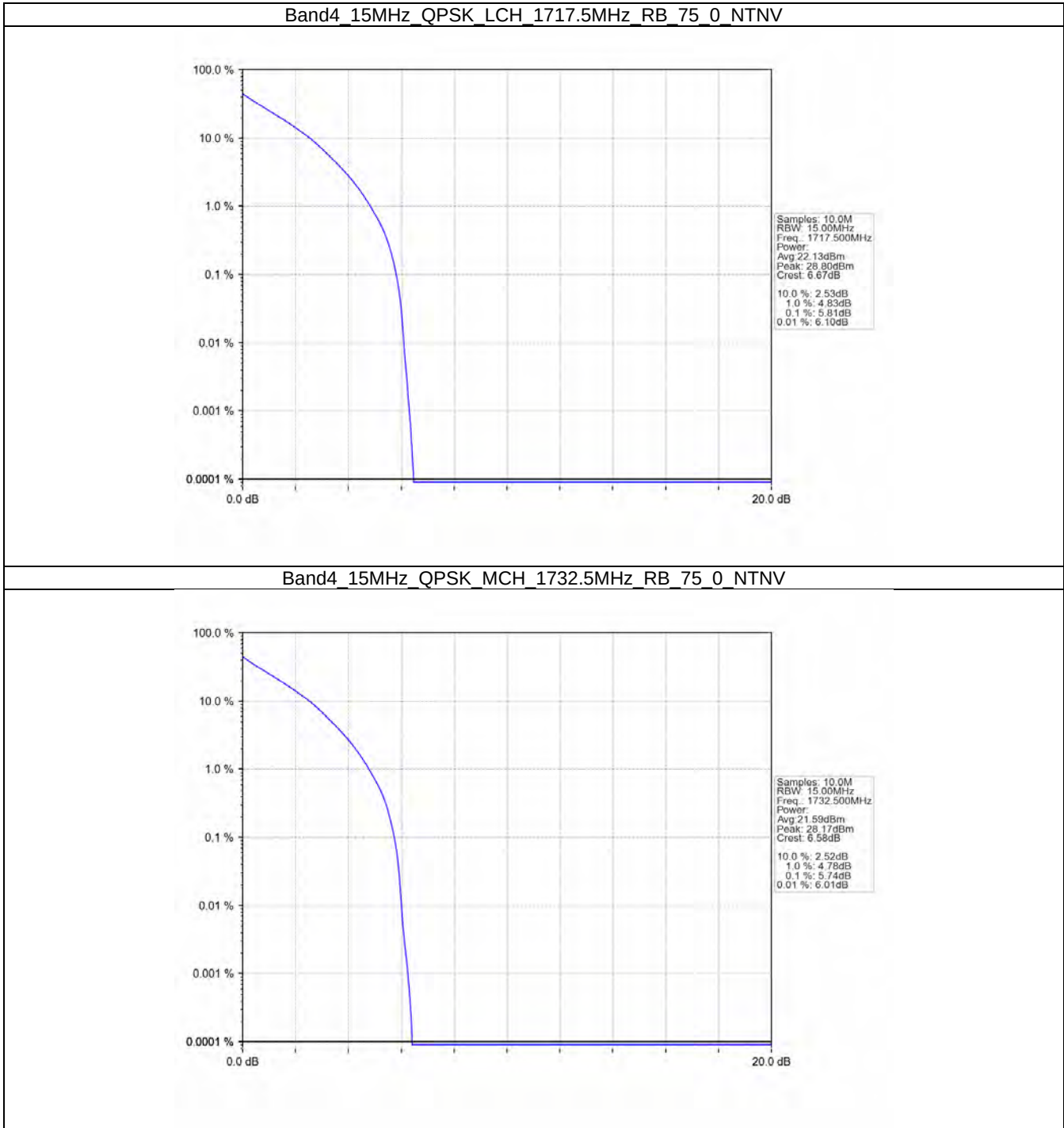


4.5 B4_15MHz

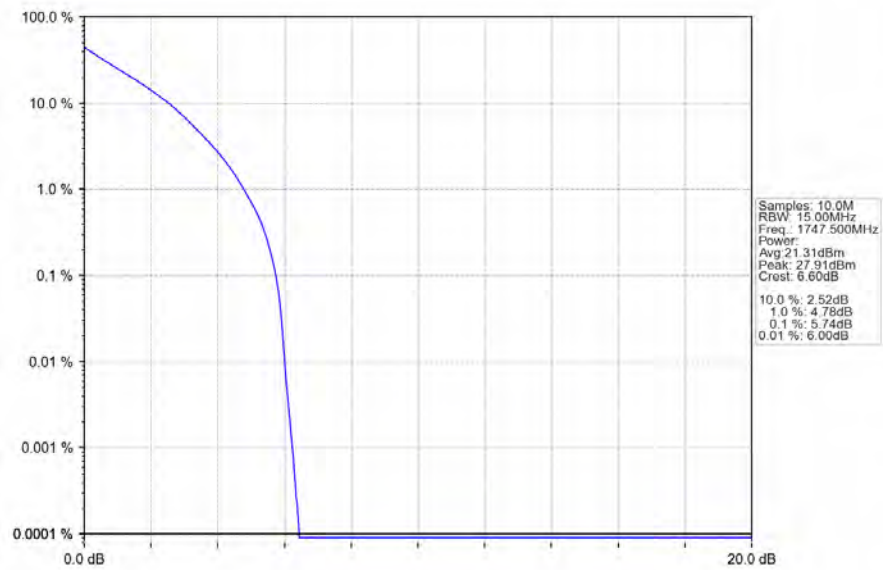
4.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.81	<=13	Pass
	1732.5	75	0	5.74	<=13	Pass
	1747.5	75	0	5.74	<=13	Pass
16QAM	1717.5	75	0	6.52	<=13	Pass
	1732.5	75	0	6.41	<=13	Pass
	1747.5	75	0	6.44	<=13	Pass
64QAM	1717.5	75	0	6.83	<=13	Pass
	1732.5	75	0	6.72	<=13	Pass
	1747.5	75	0	6.74	<=13	Pass
256QAM	1717.5	75	0	6.94	<=13	Pass
	1732.5	75	0	6.89	<=13	Pass
	1747.5	75	0	6.90	<=13	Pass

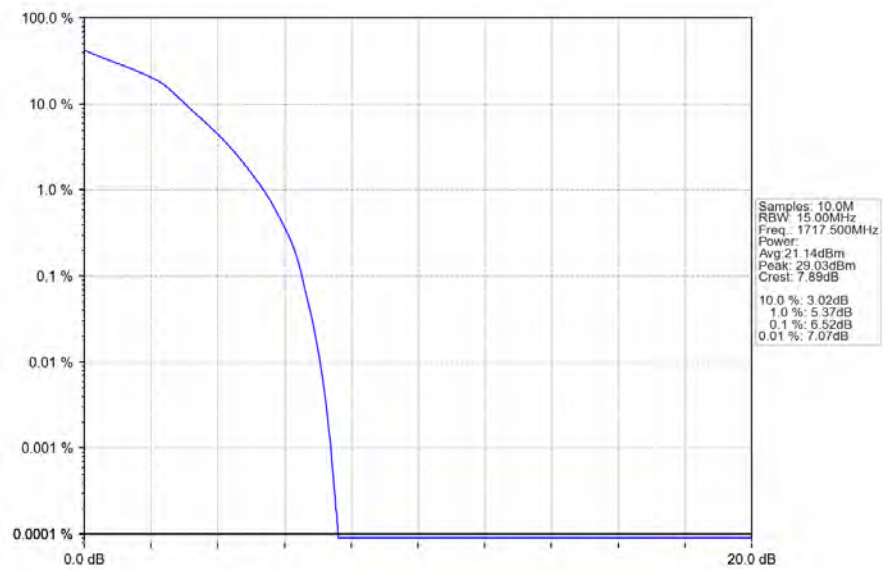
4.5.2 Test Graph



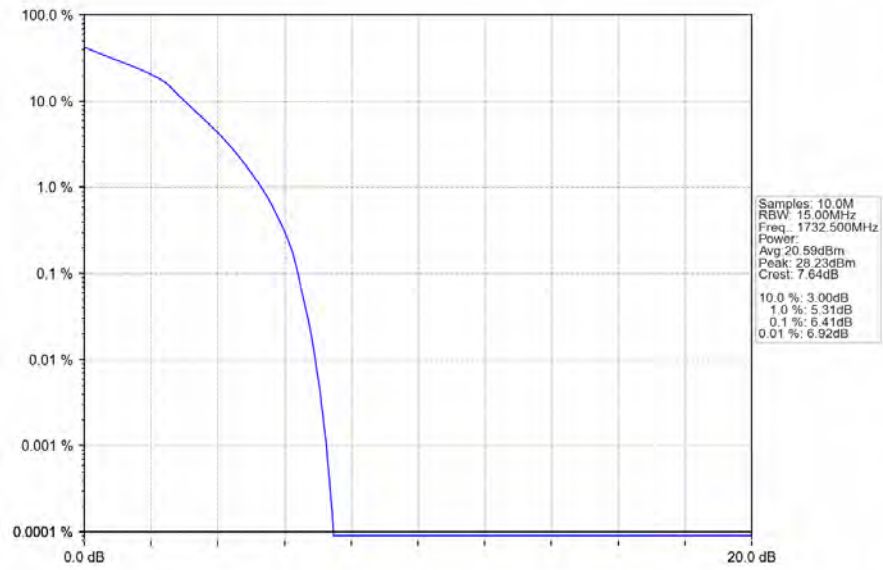
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



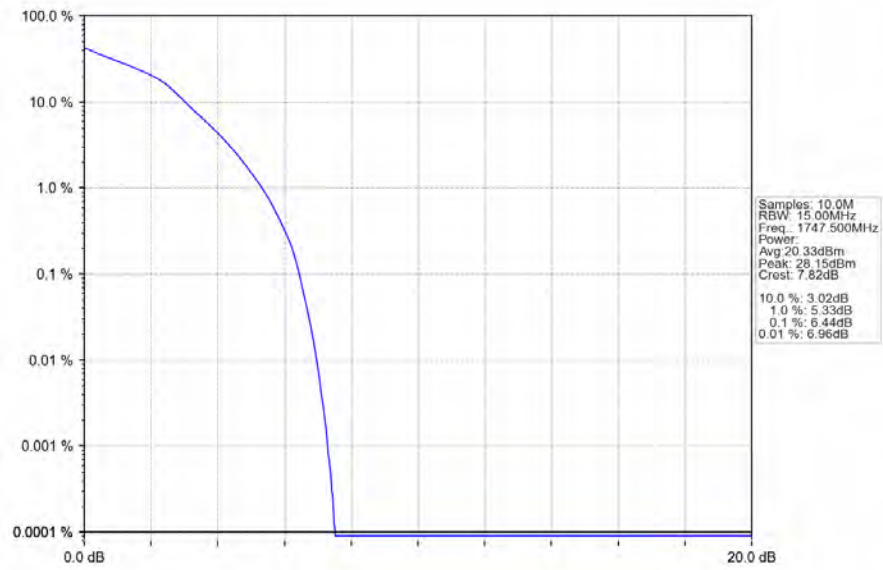
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



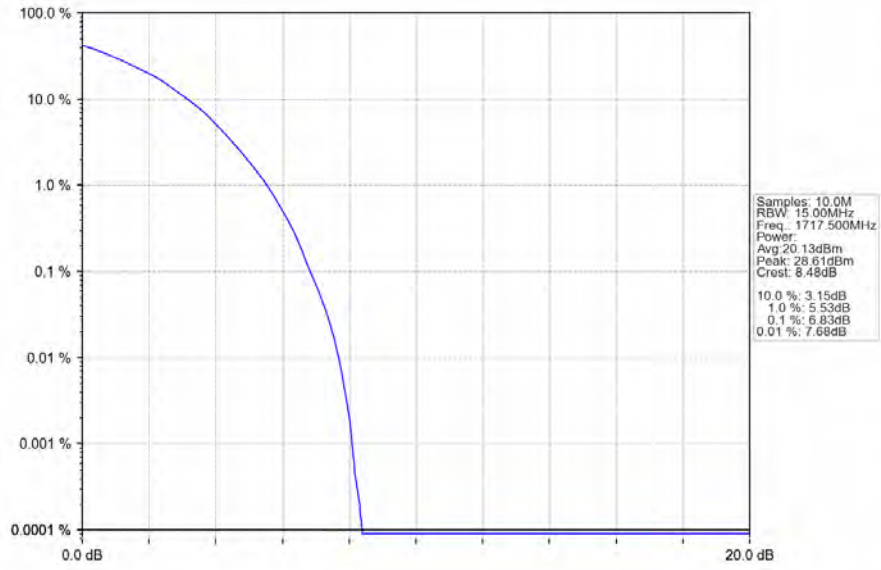
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



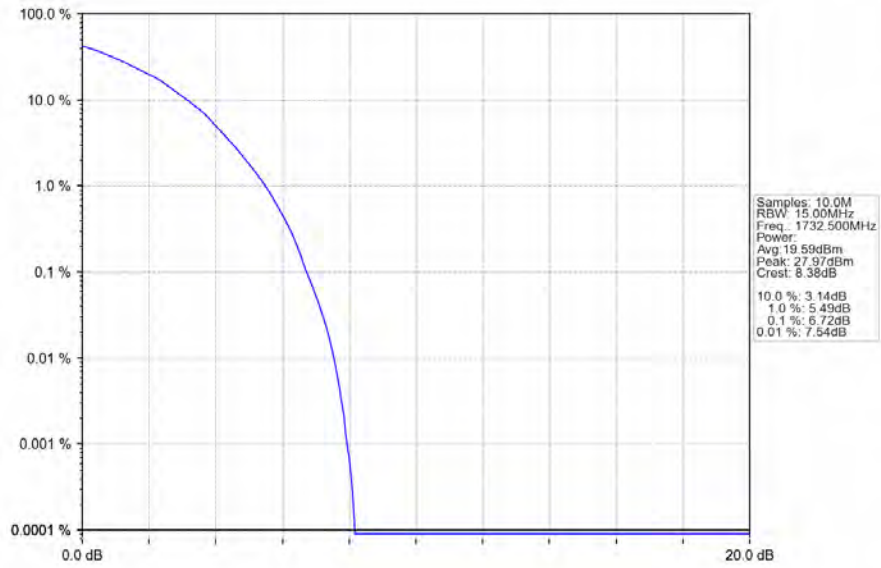
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



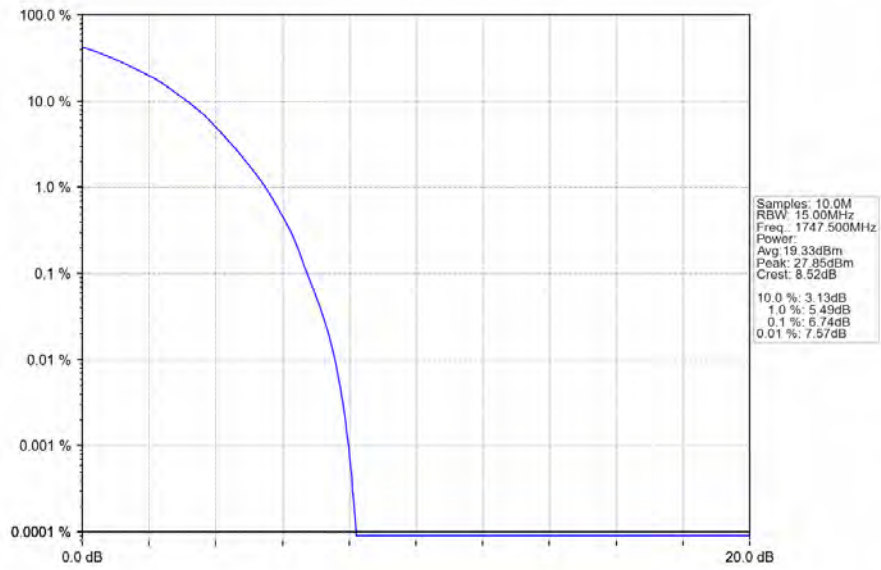
Band4 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTNV



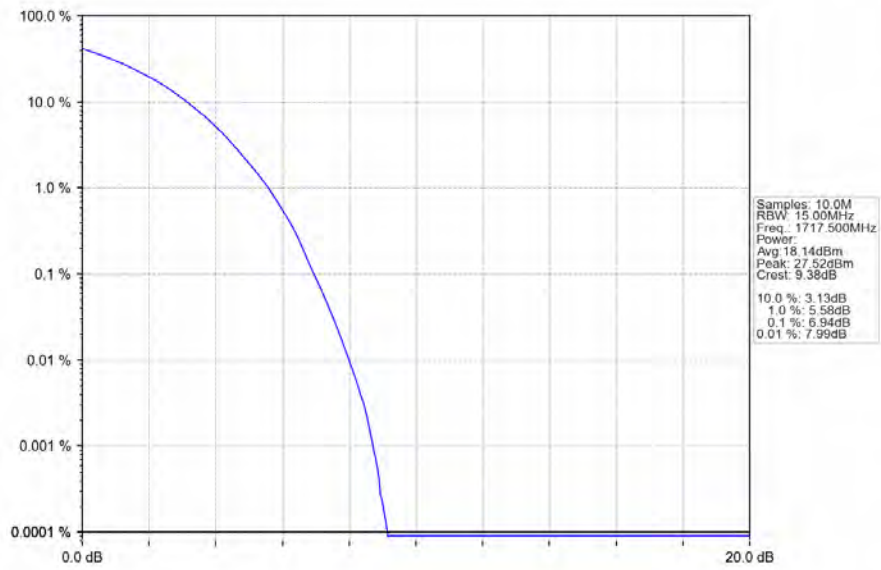
Band4 15MHz 64QAM MCH 1732.5MHz RB 75 0 NTNV



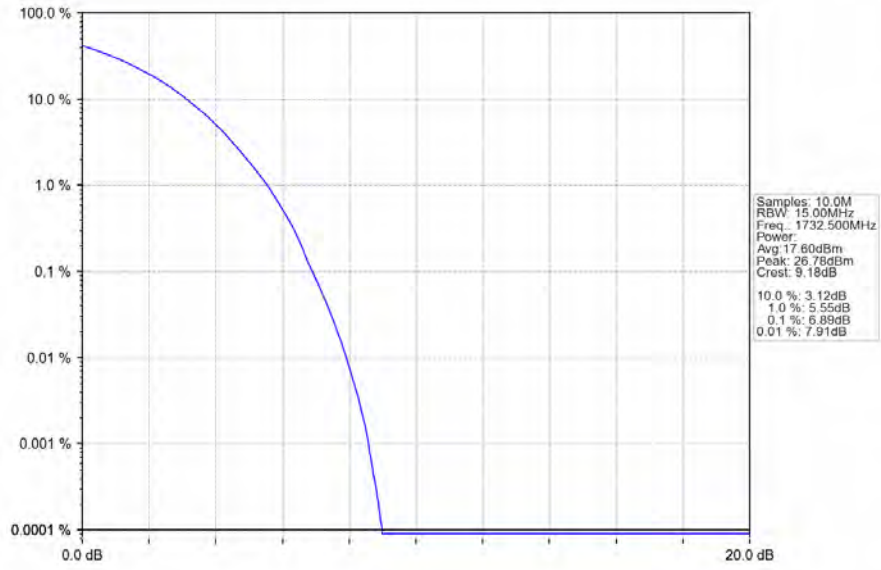
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



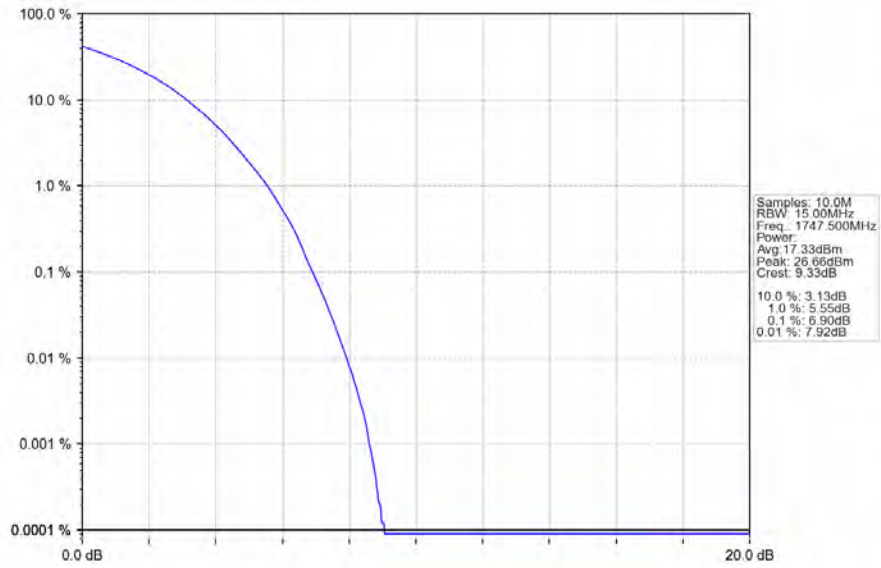
Band4_15MHz_256QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_256QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_256QAM_HCH_1747.5MHz_RB_75_0_NTNV

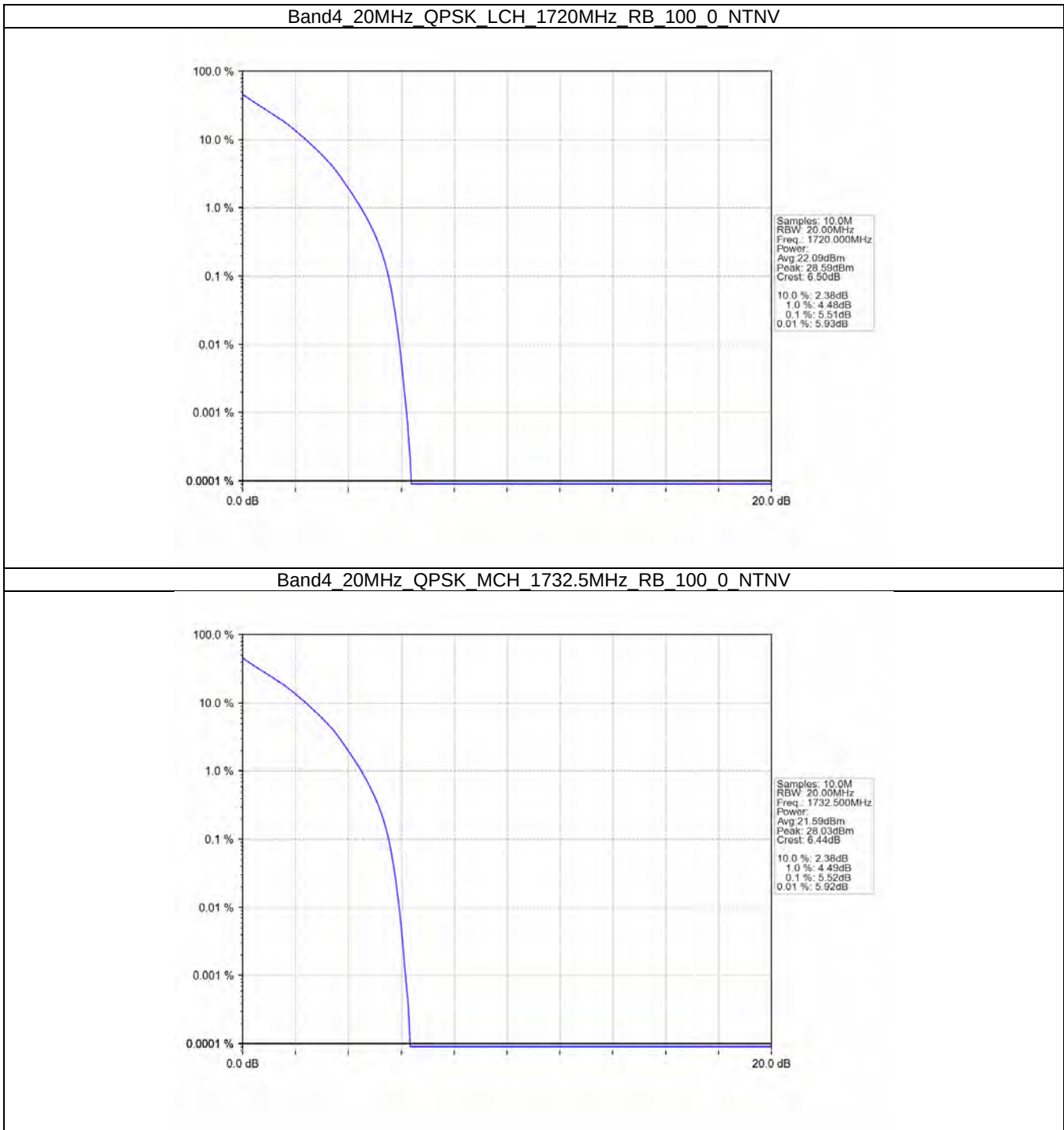


4.6 B4_20MHz

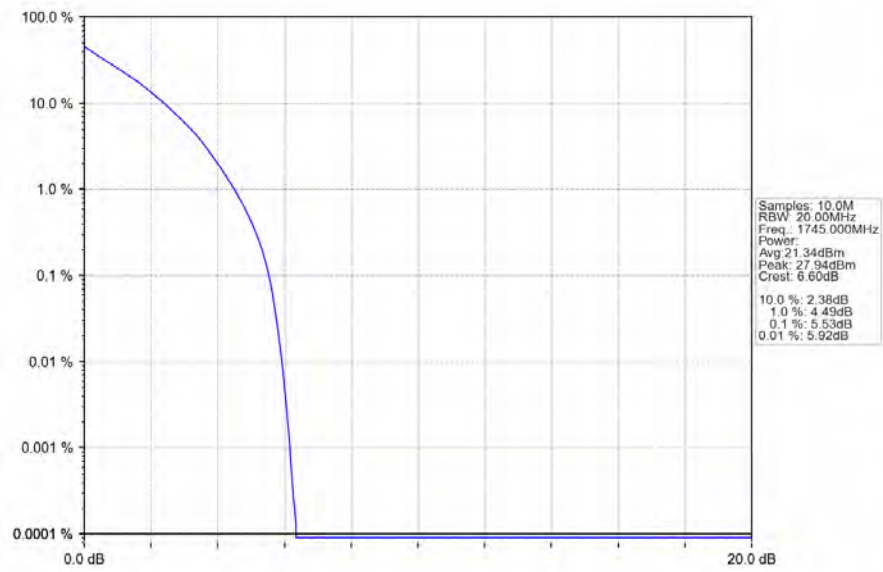
4.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.51	<=13	Pass
	1732.5	100	0	5.52	<=13	Pass
	1745	100	0	5.53	<=13	Pass
16QAM	1720	100	0	6.48	<=13	Pass
	1732.5	100	0	6.36	<=13	Pass
	1745	100	0	6.39	<=13	Pass
64QAM	1720	100	0	6.81	<=13	Pass
	1732.5	100	0	6.71	<=13	Pass
	1745	100	0	6.75	<=13	Pass
256QAM	1720	100	0	6.87	<=13	Pass
	1732.5	100	0	6.89	<=13	Pass
	1745	100	0	6.89	<=13	Pass

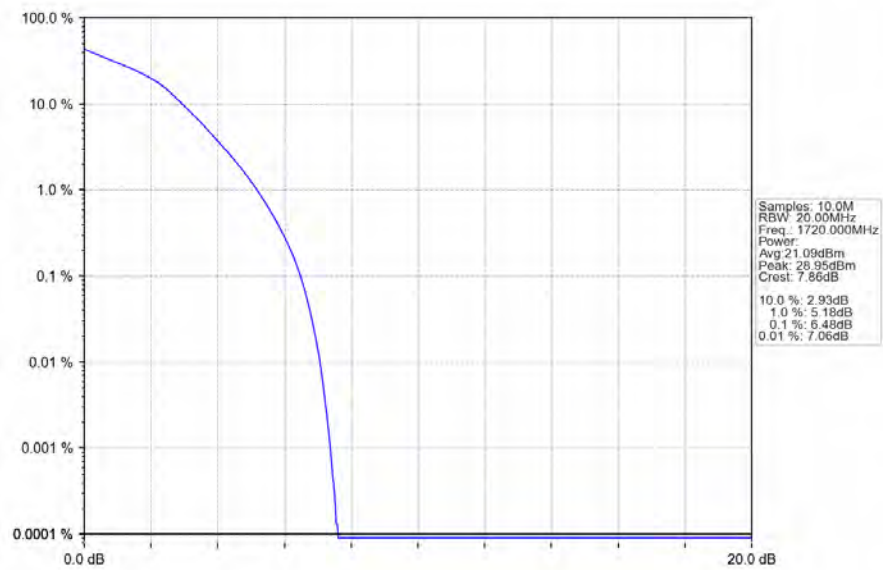
4.6.2 Test Graph



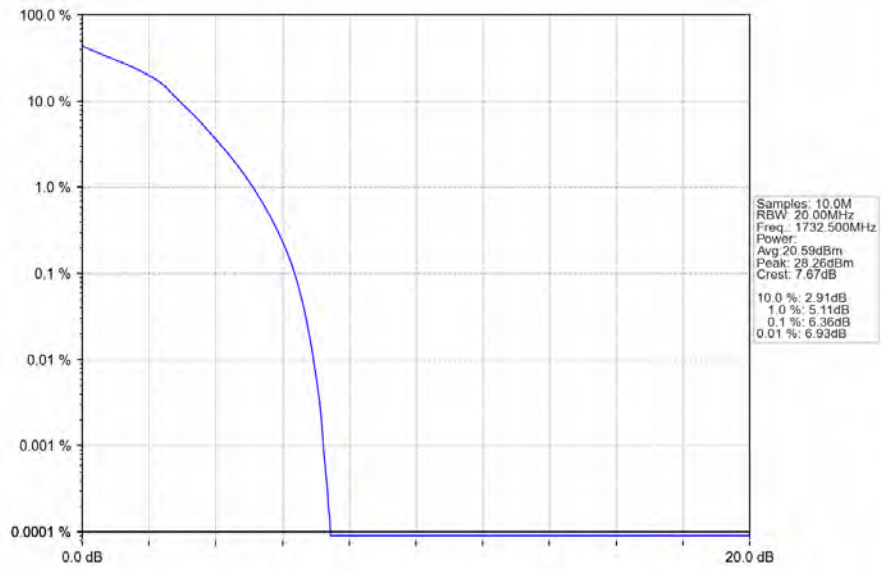
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



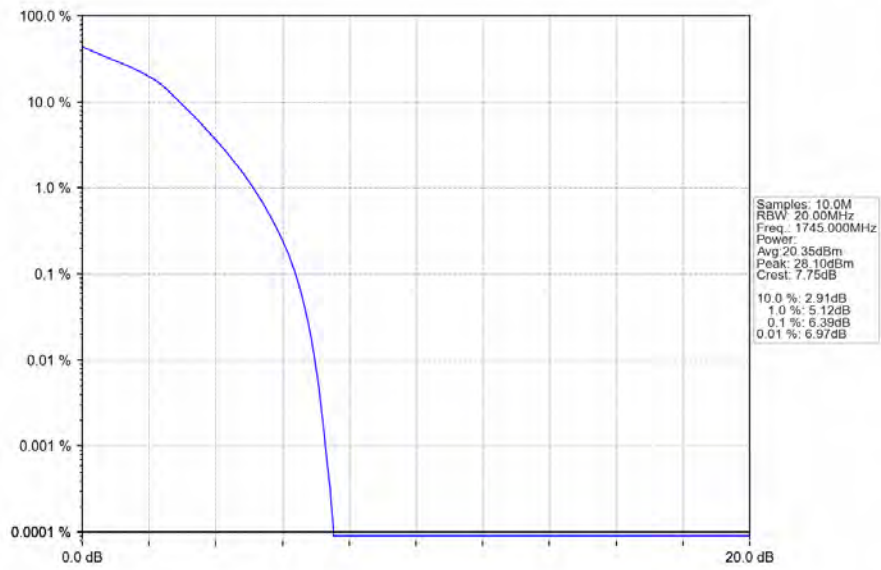
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



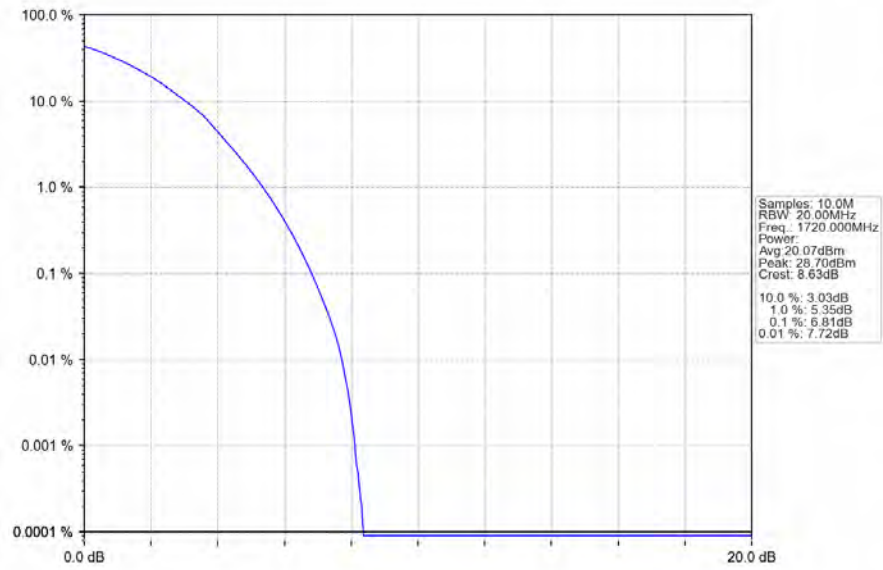
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



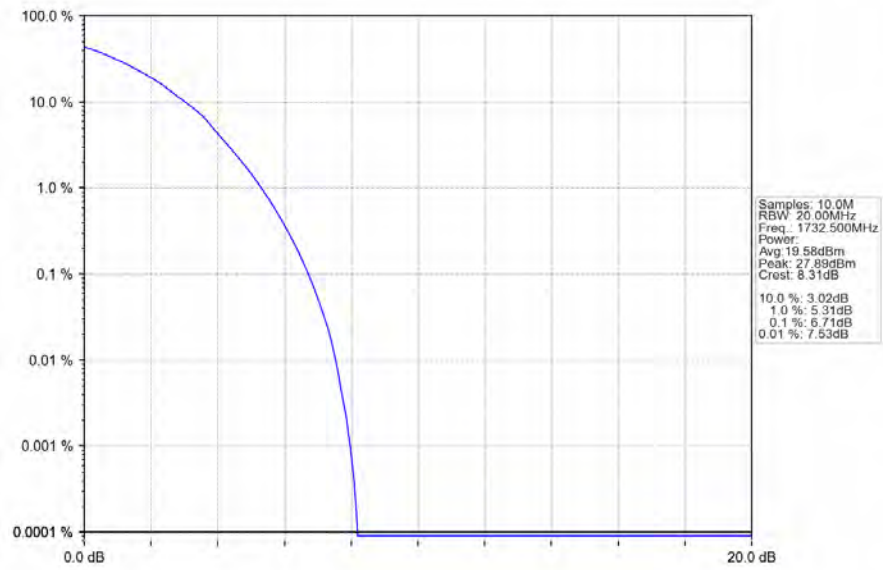
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



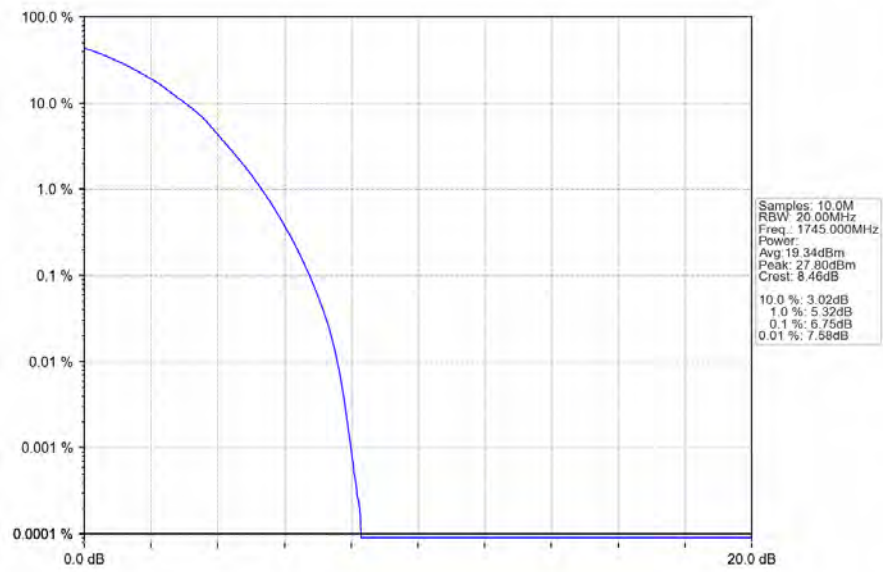
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



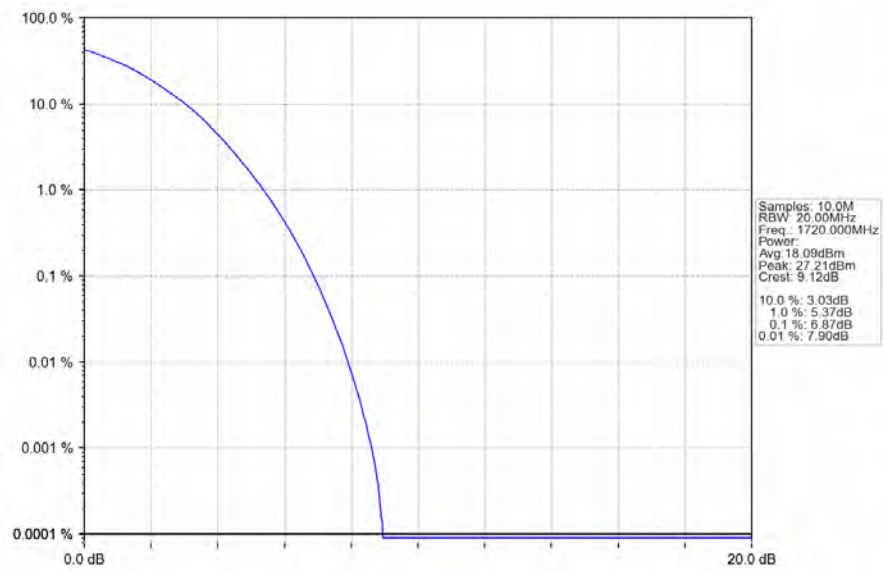
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



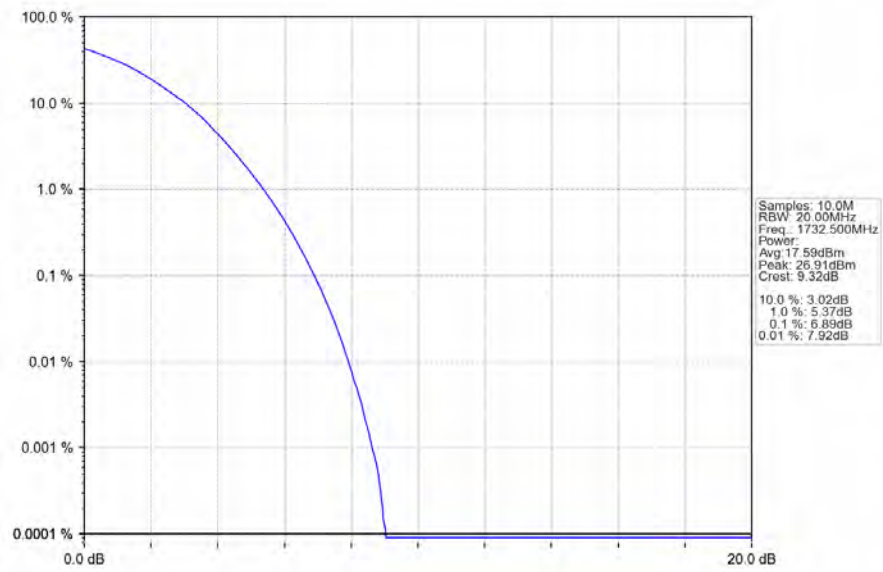
Band4 20MHz 64QAM HCH 1745MHz RB 100 0 NTNV



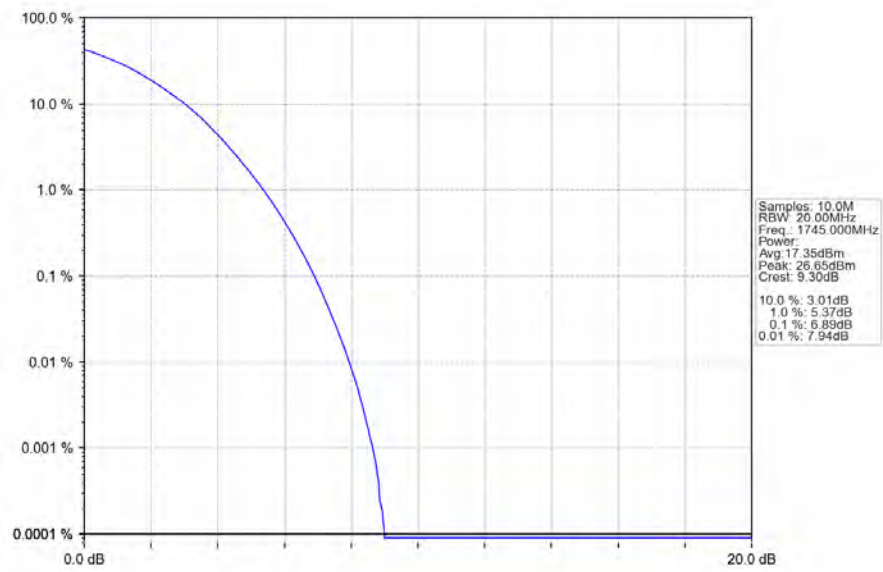
Band4 20MHz 256QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 256QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 256QAM HCH 1745MHz RB 100 0 NTNV



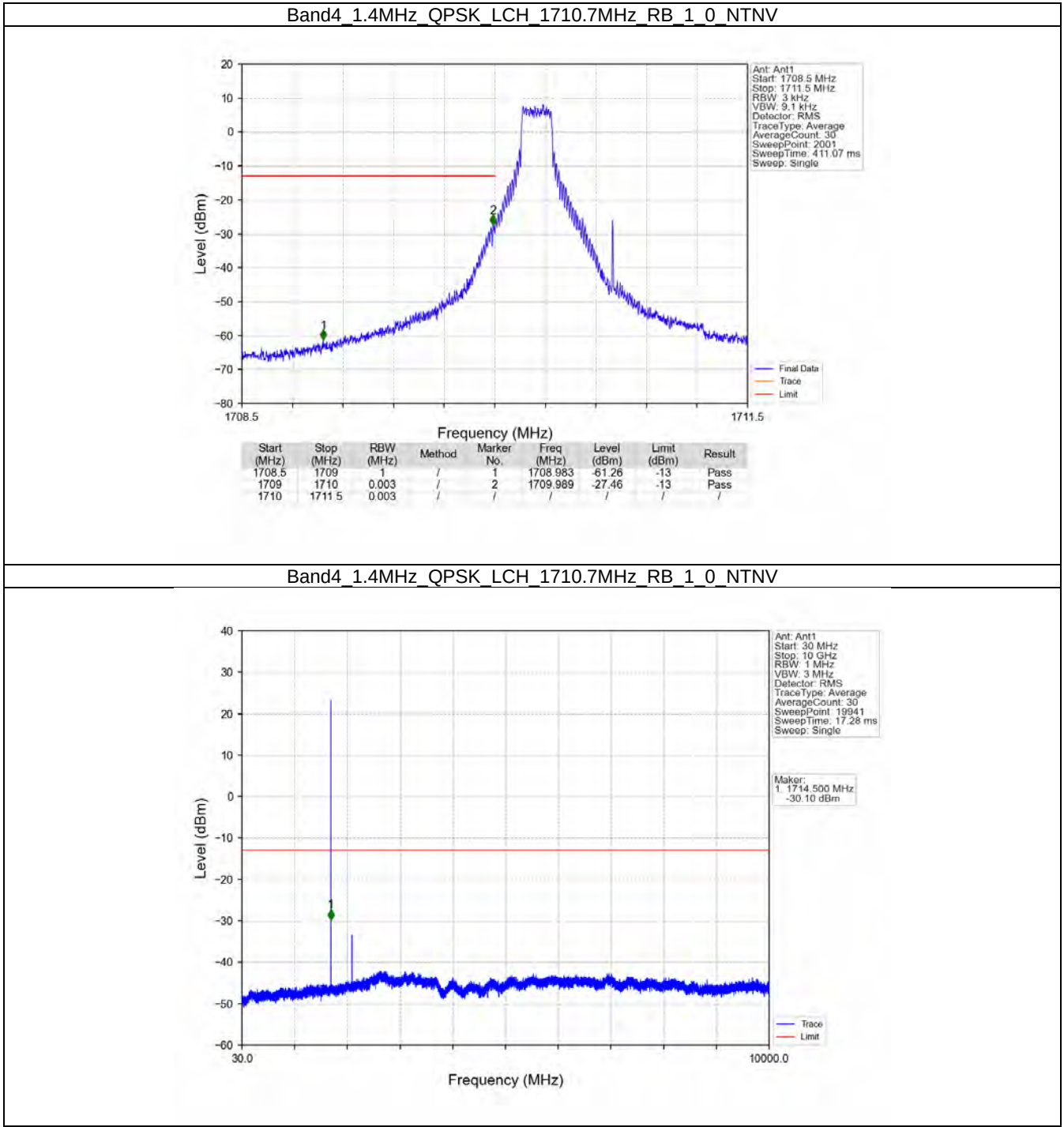
5. Spurious Emission

5.1 B4_1.4MHz

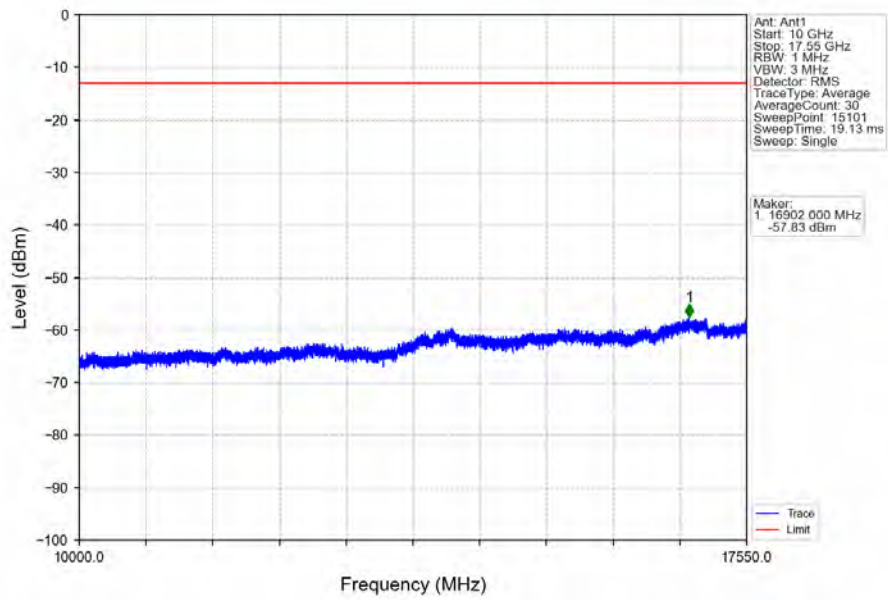
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1710.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1754.3	1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

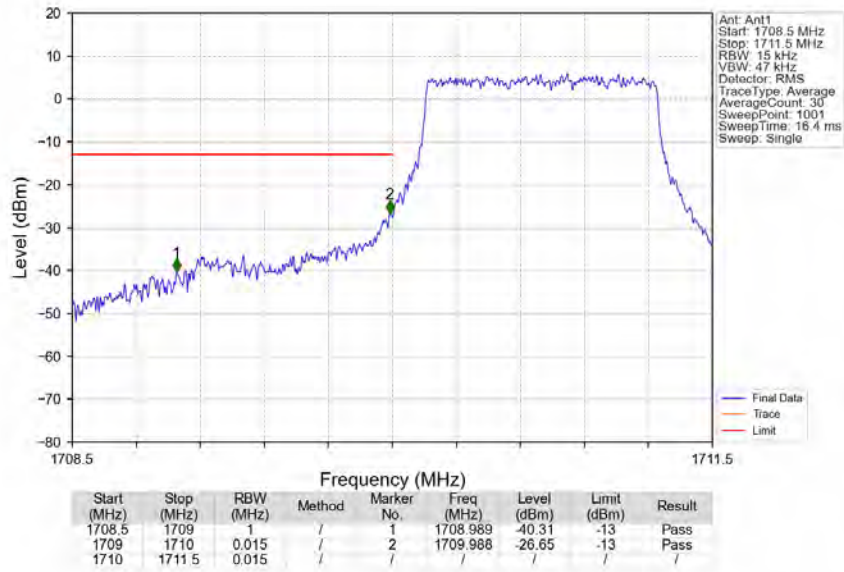
5.1.2 Test Graph



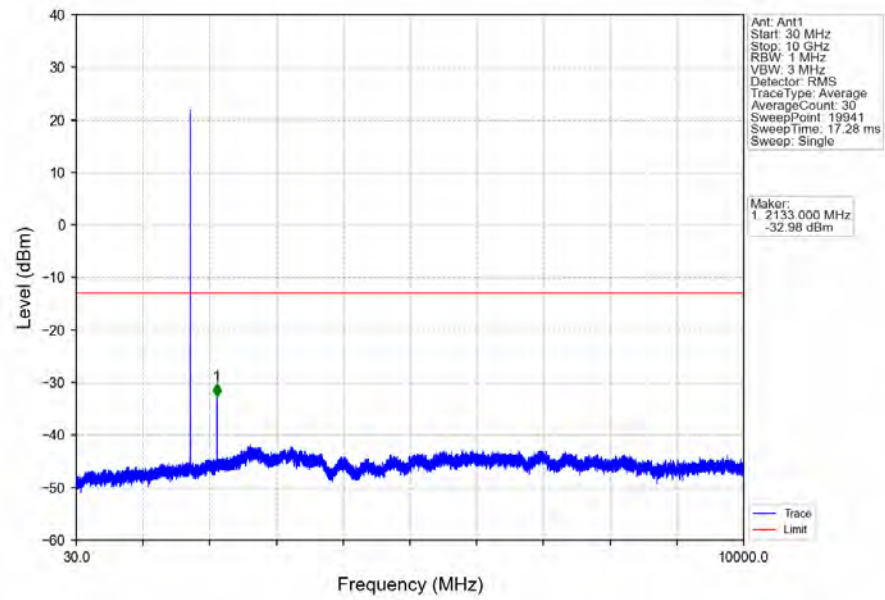
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



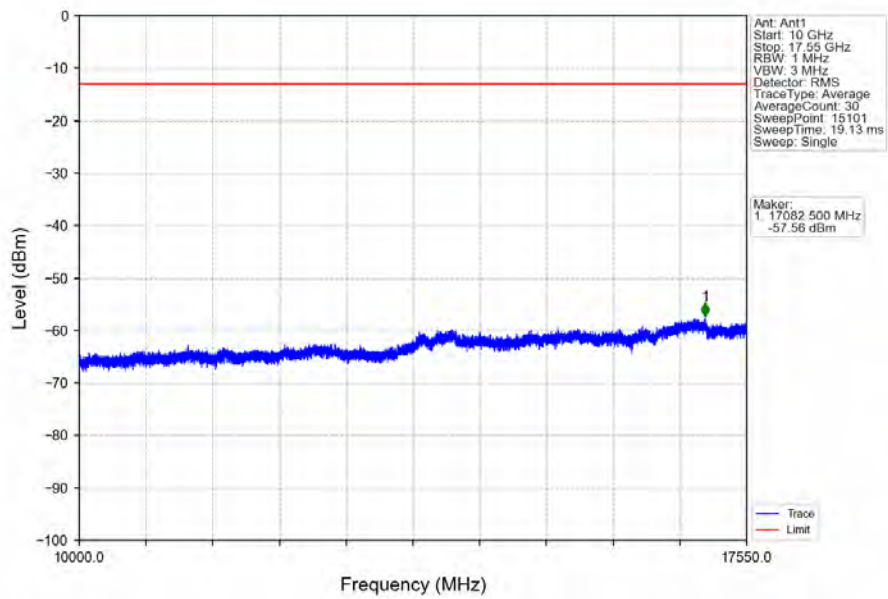
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



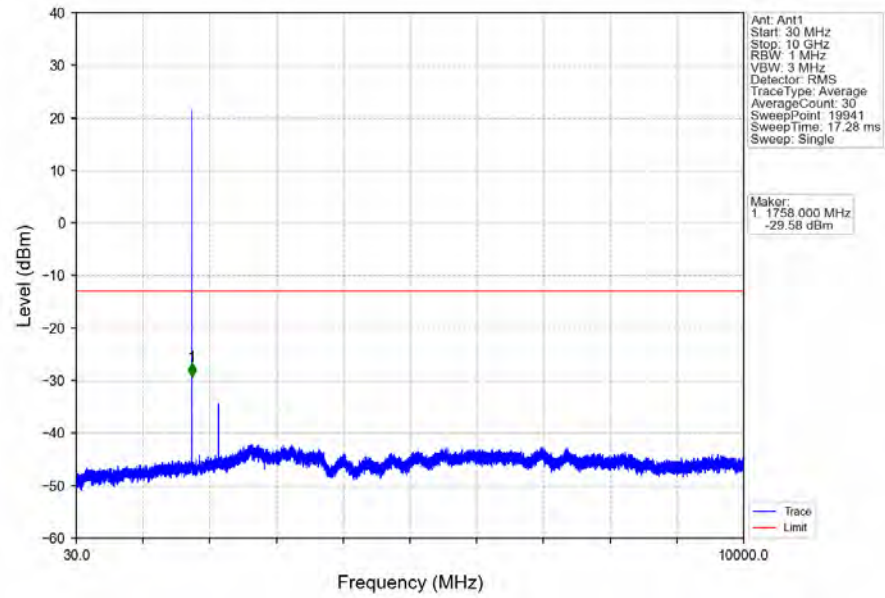
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



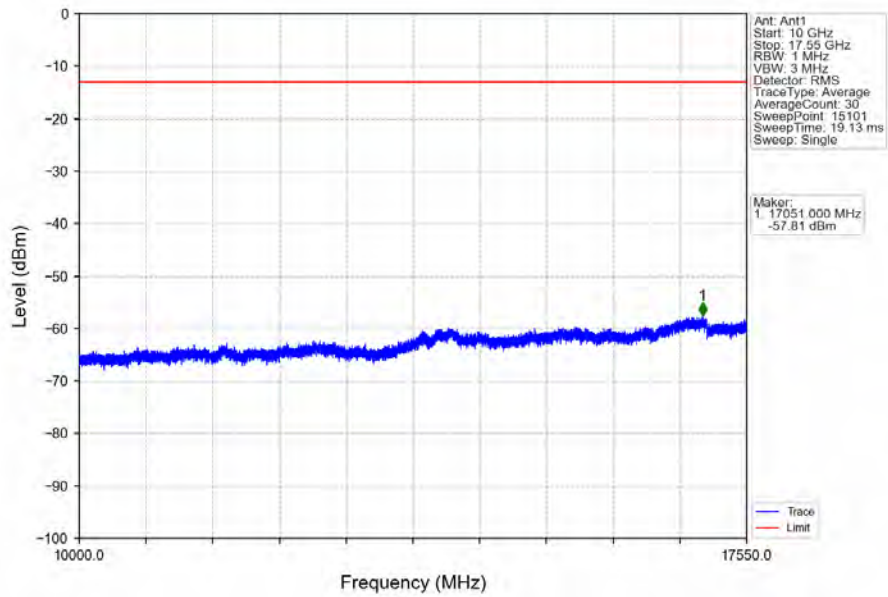
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



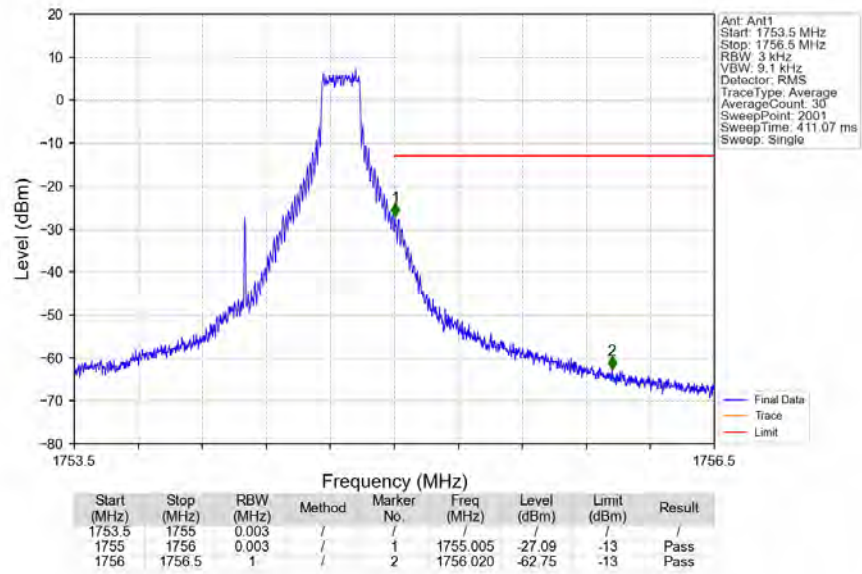
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



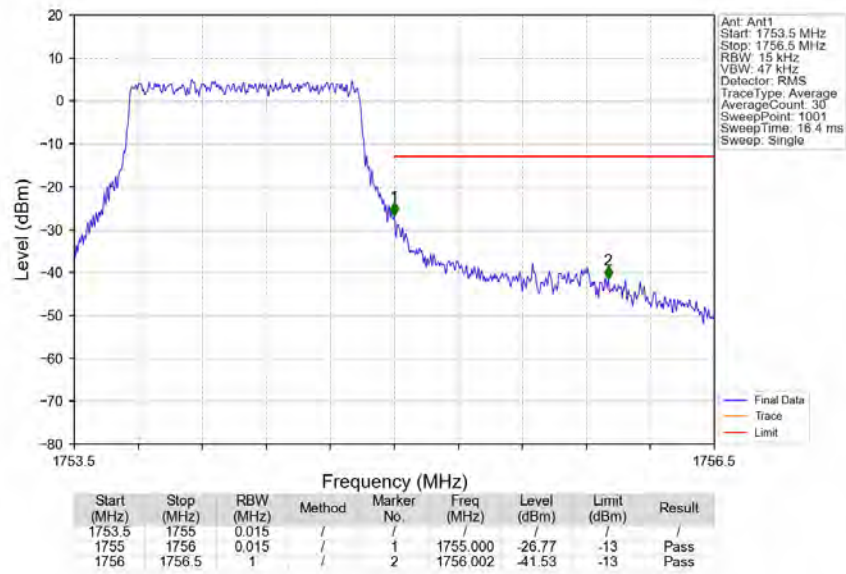
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

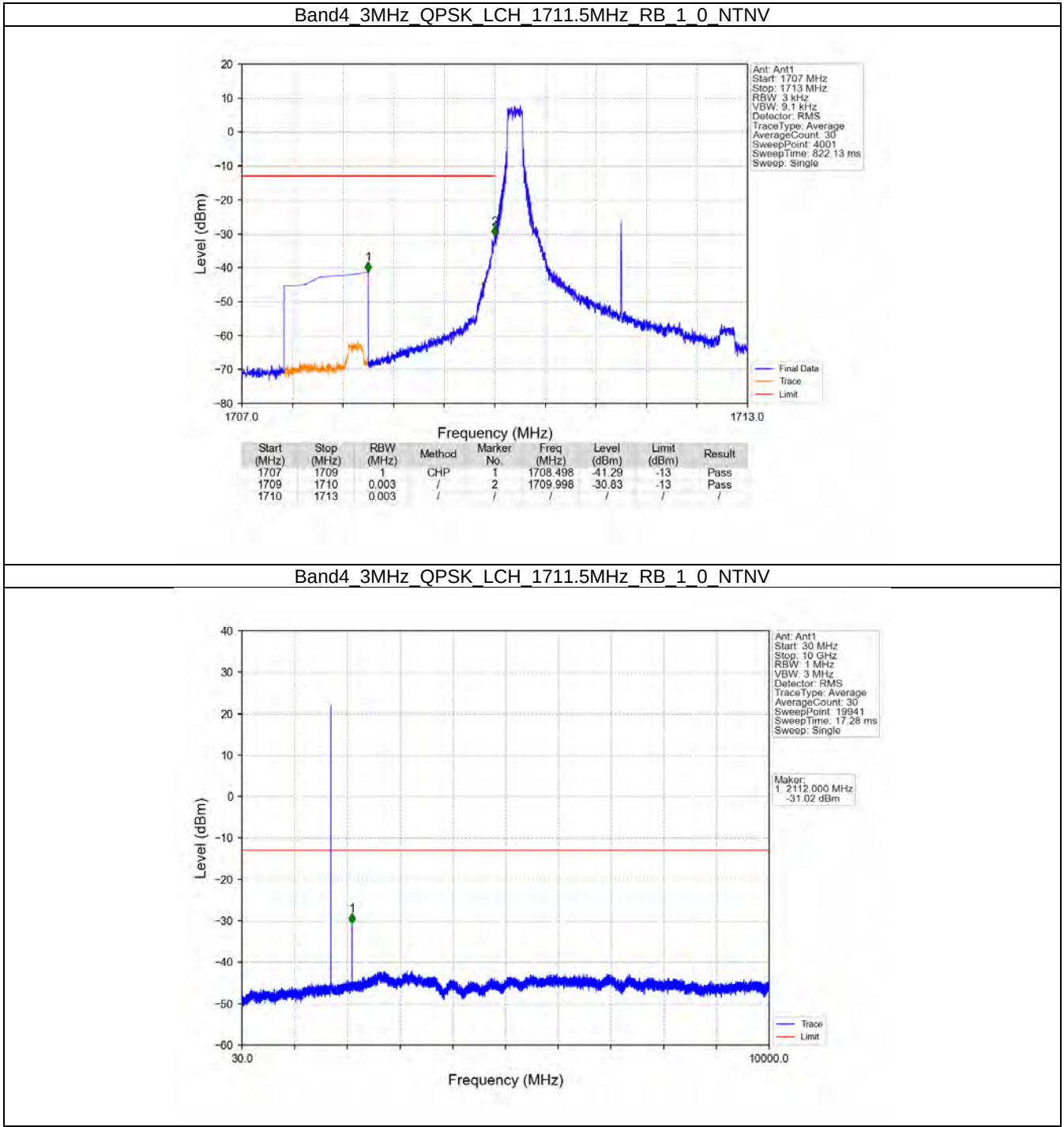


5.2 B4_3MHz

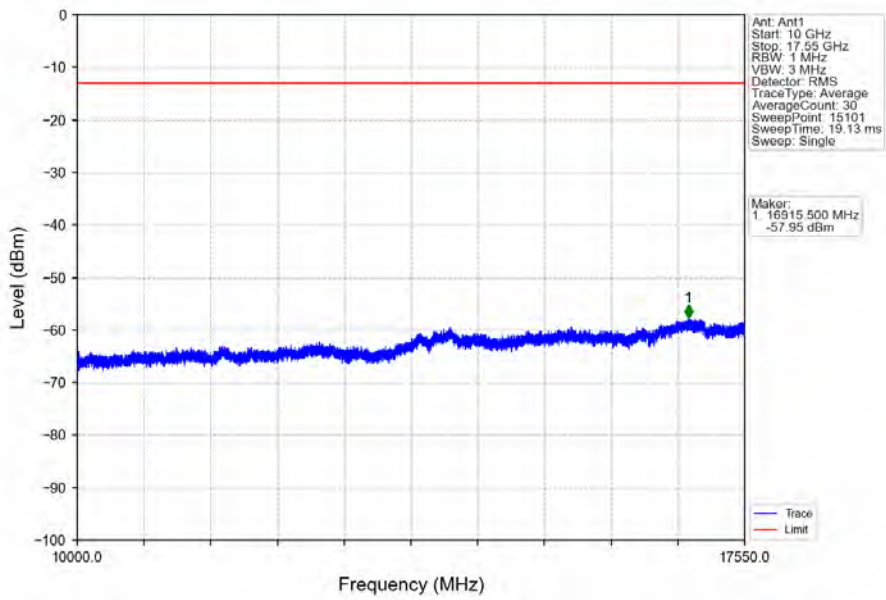
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

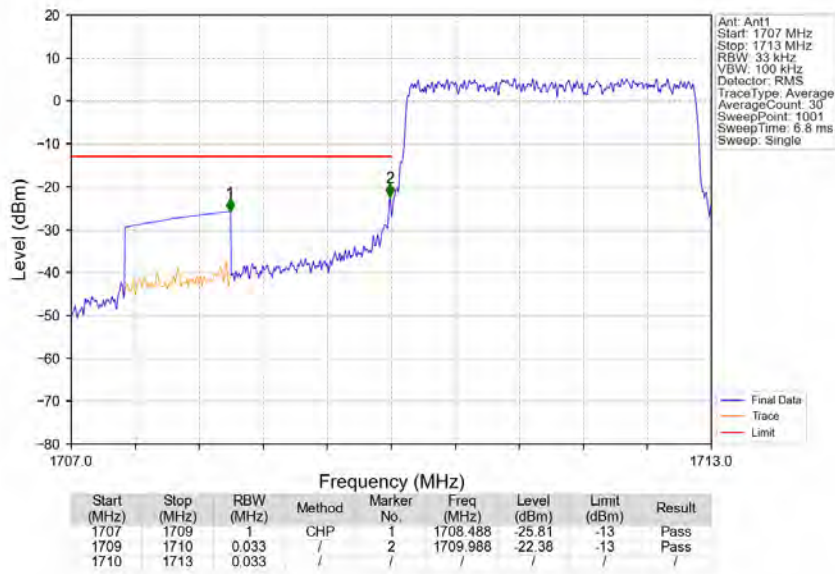
5.2.2 Test Graph



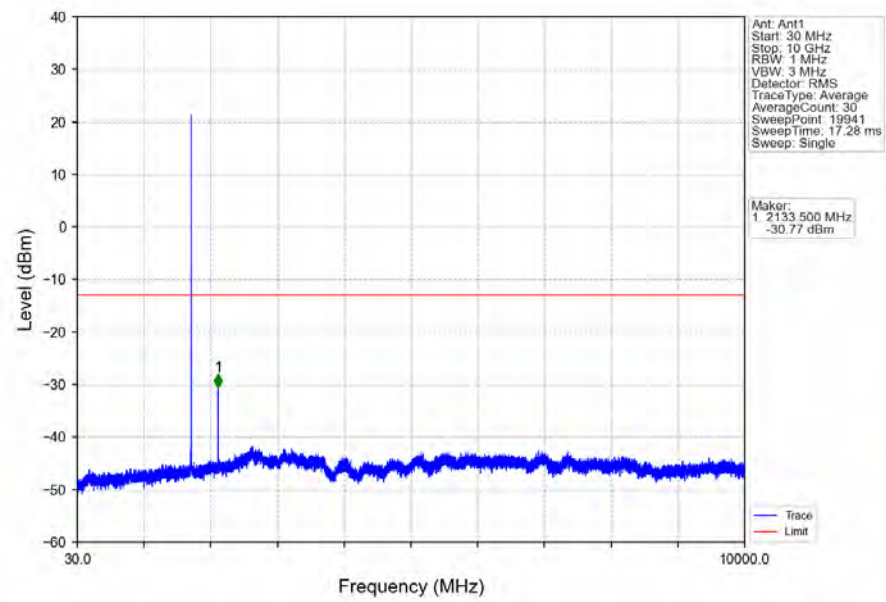
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



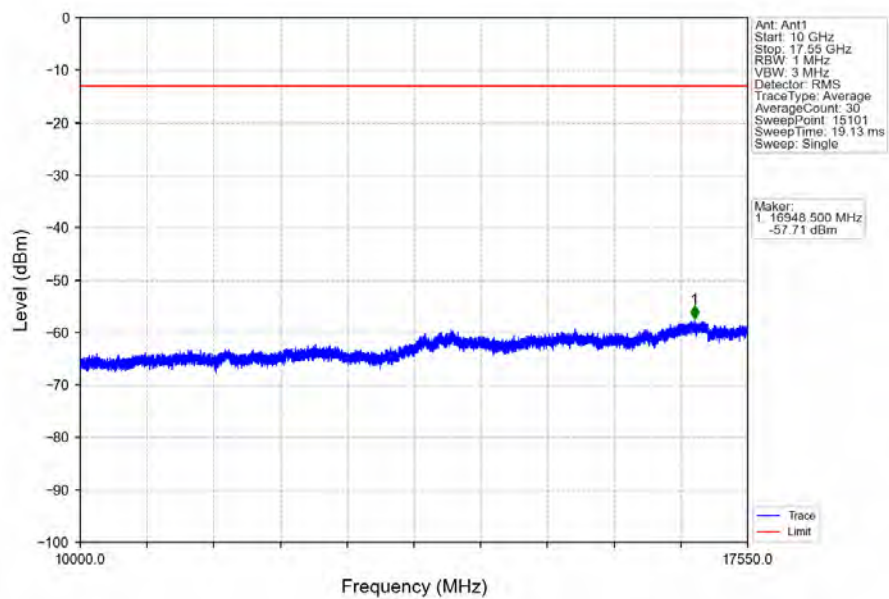
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



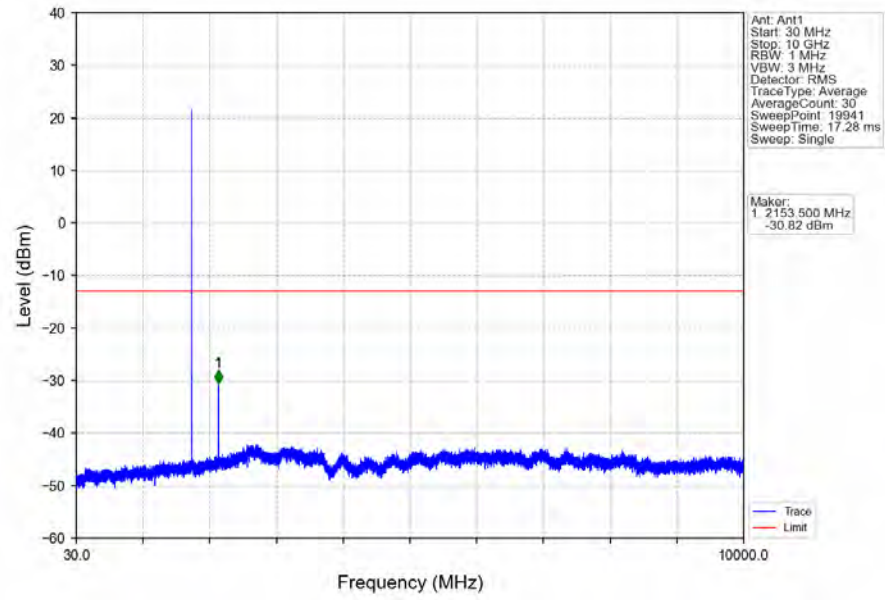
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



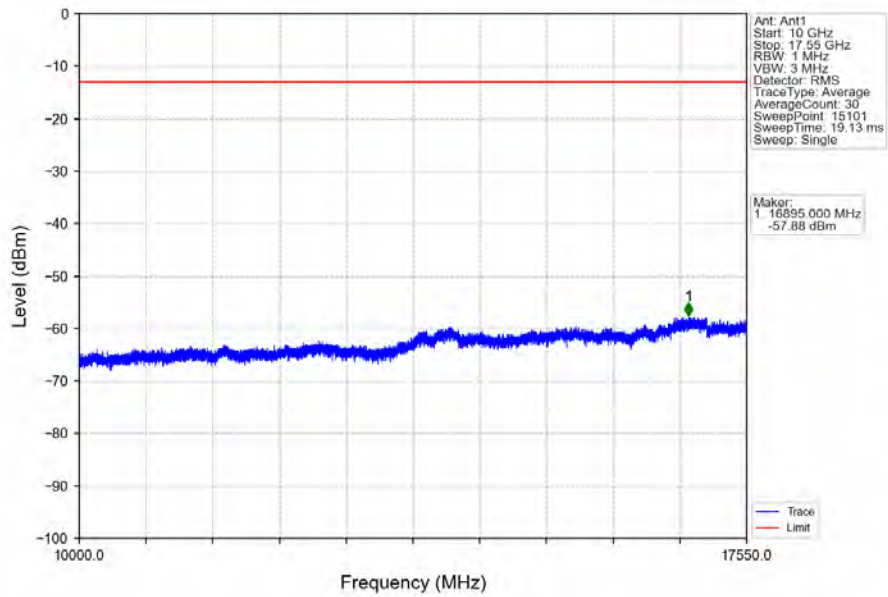
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



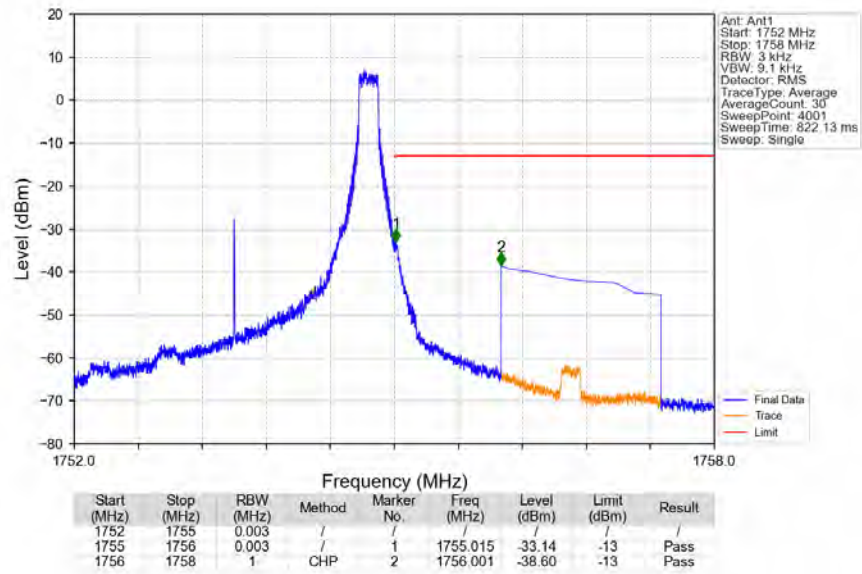
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



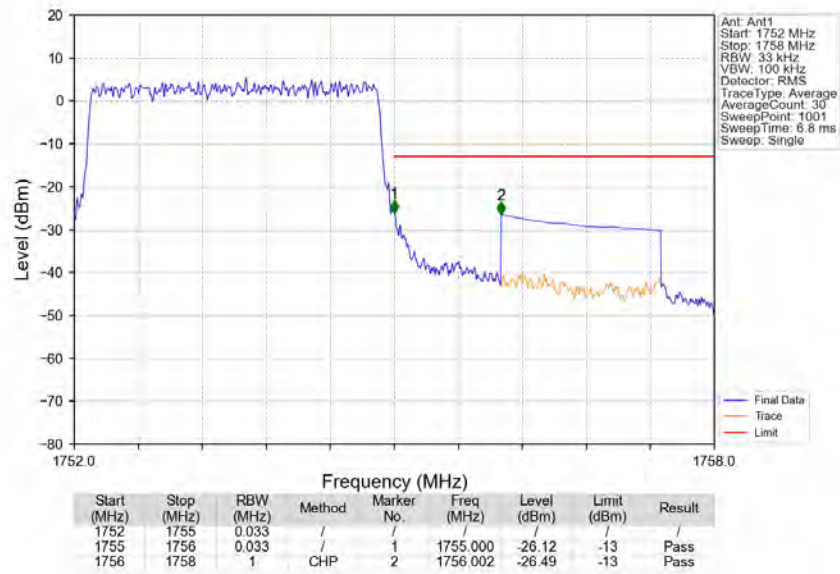
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

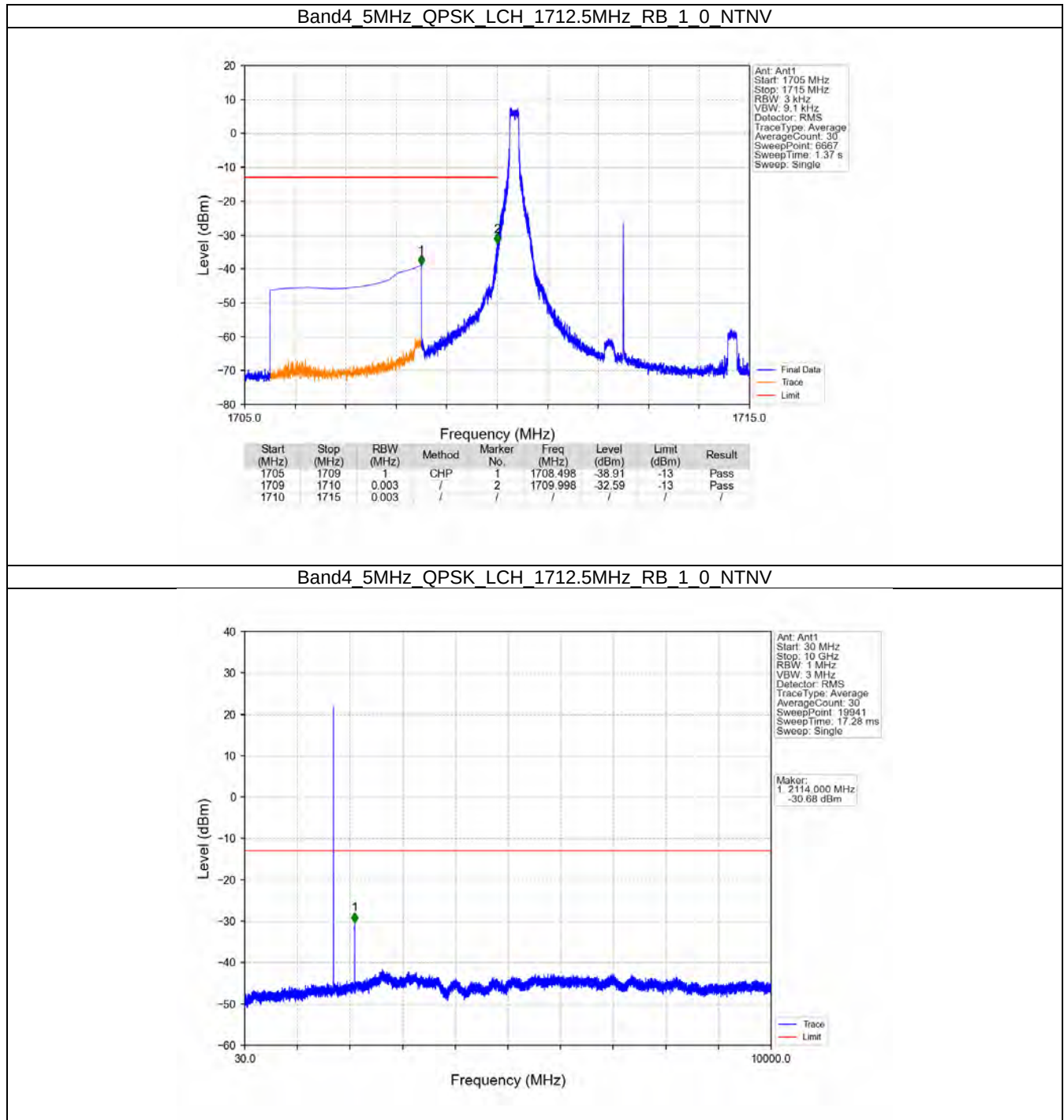


5.3 B4_5MHz

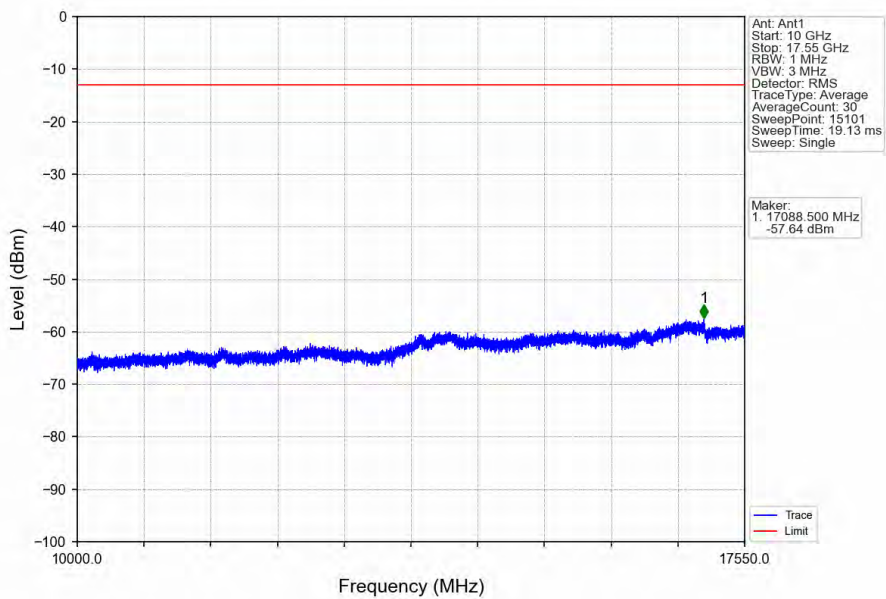
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

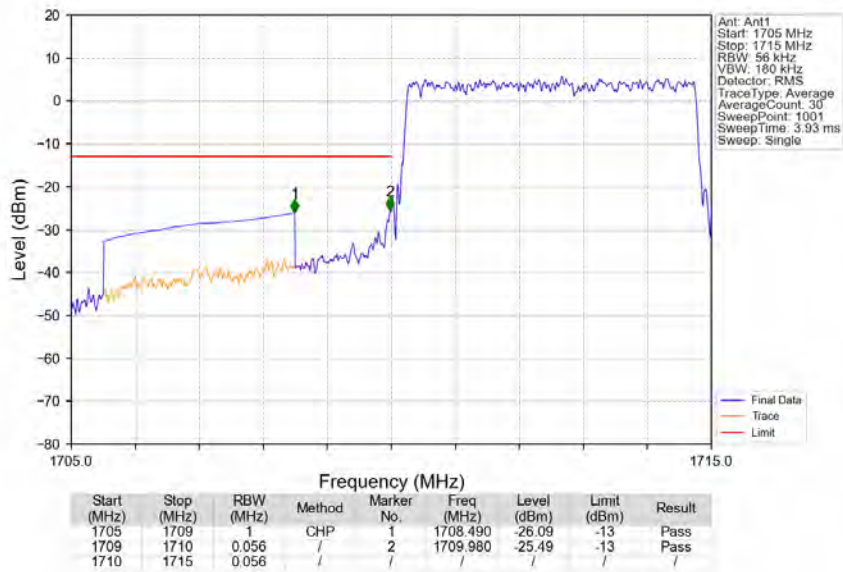
5.3.2 Test Graph



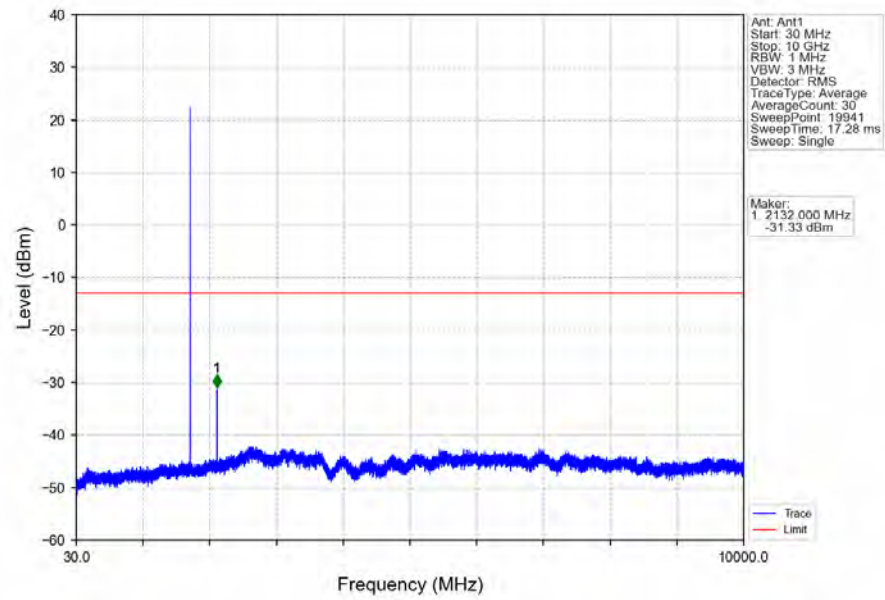
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



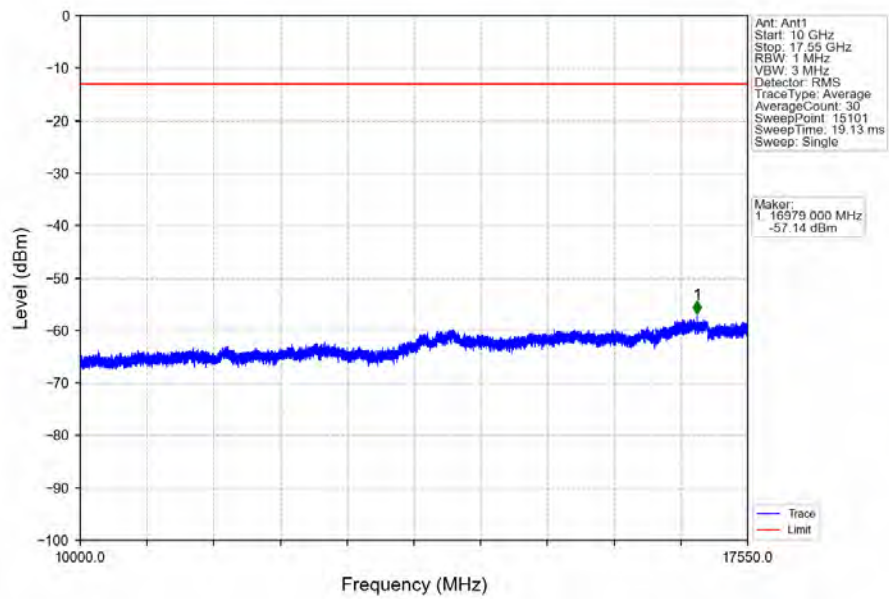
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



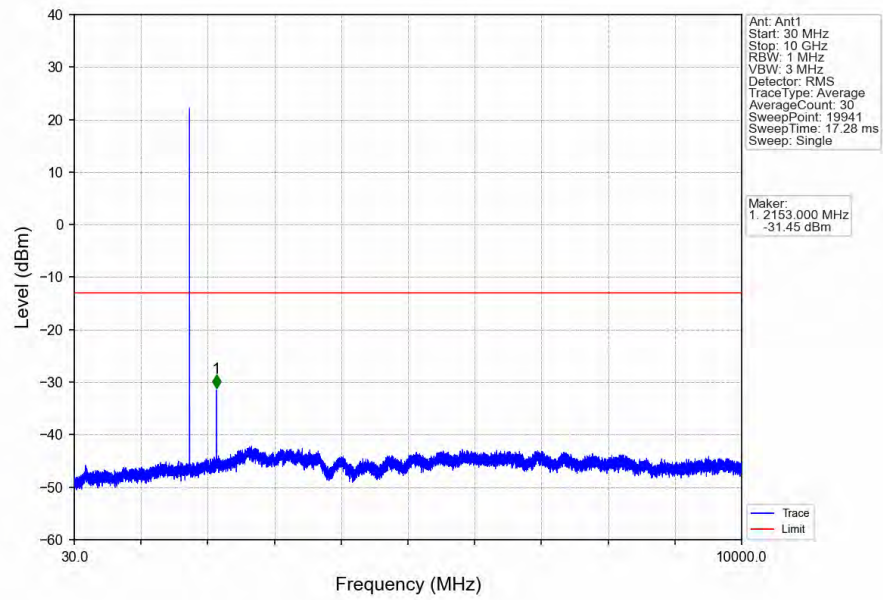
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



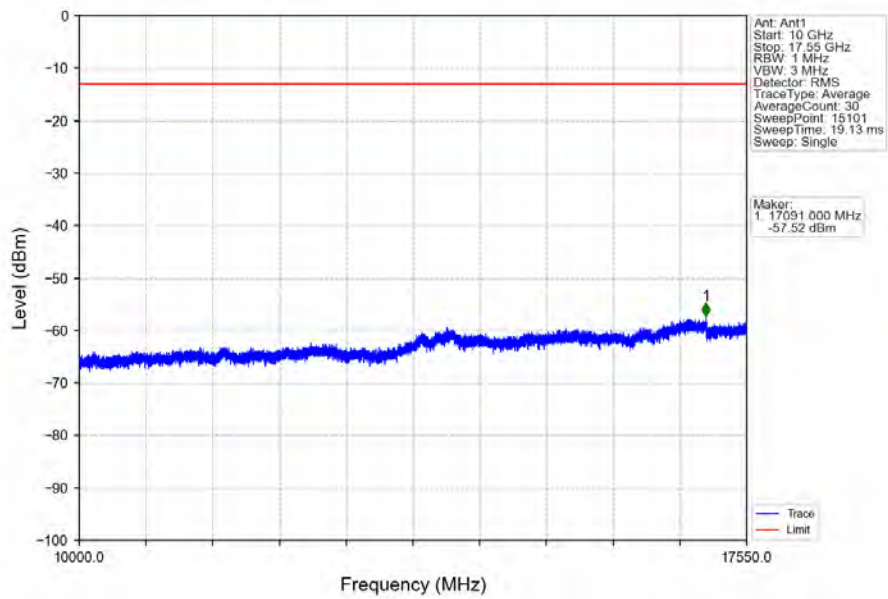
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



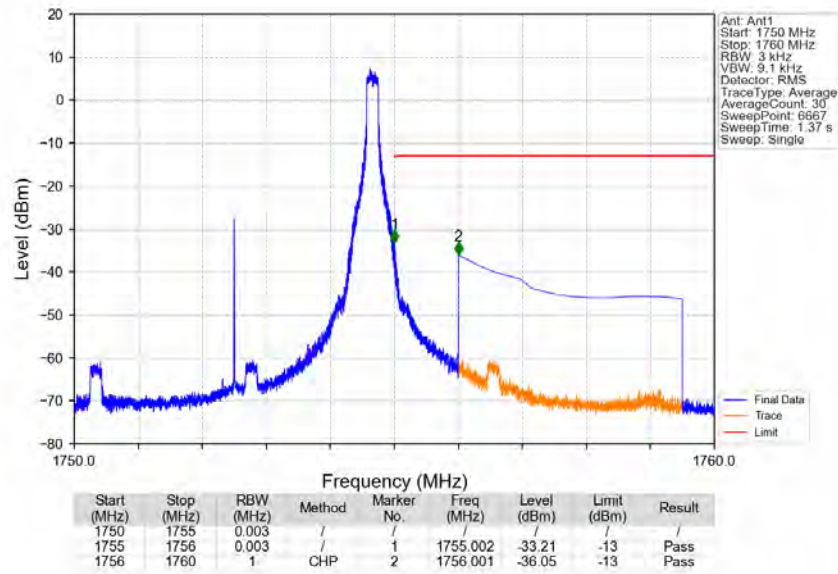
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



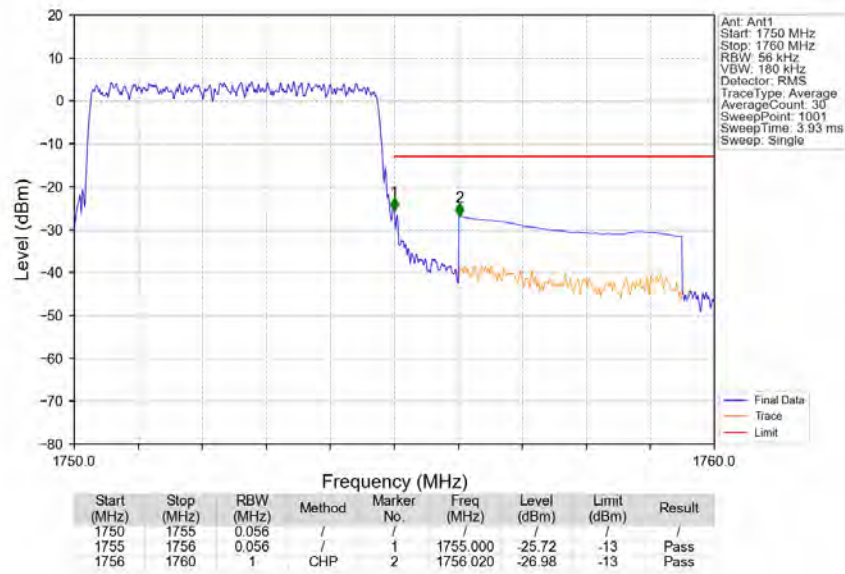
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

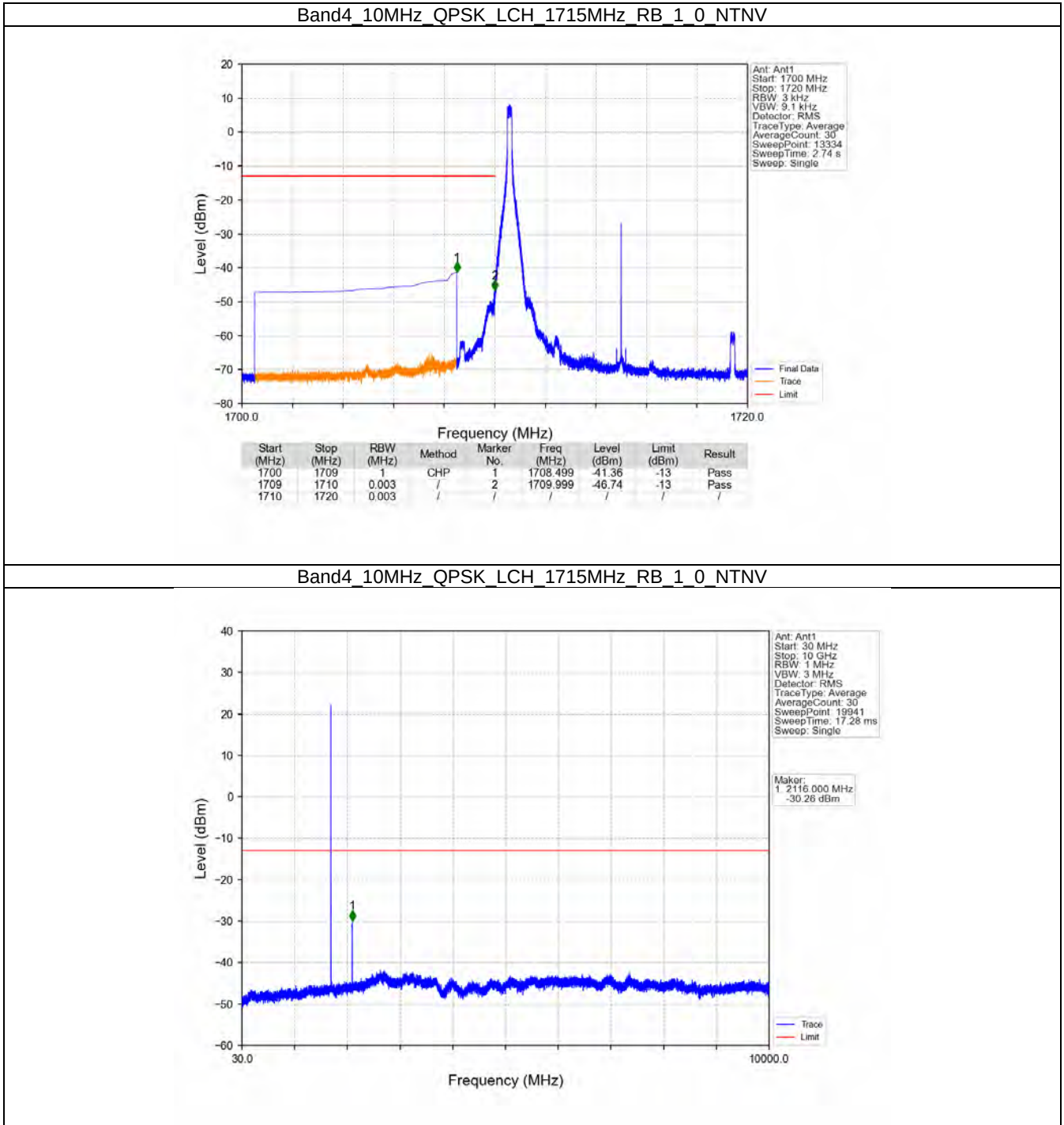


5.4 B4_10MHz

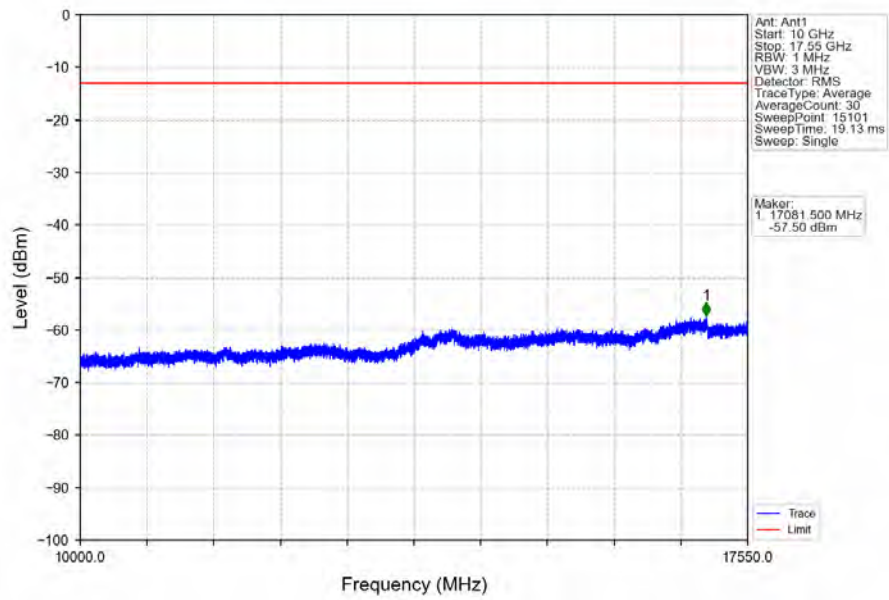
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

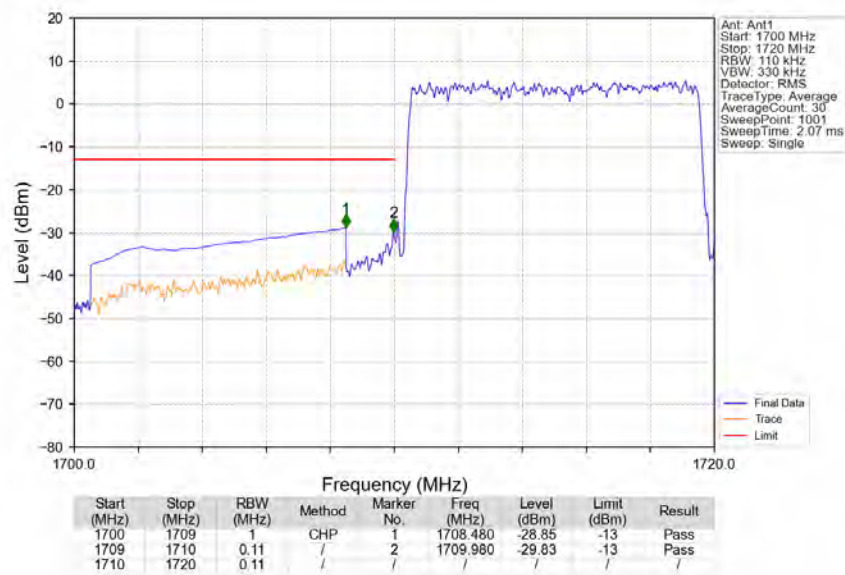
5.4.2 Test Graph



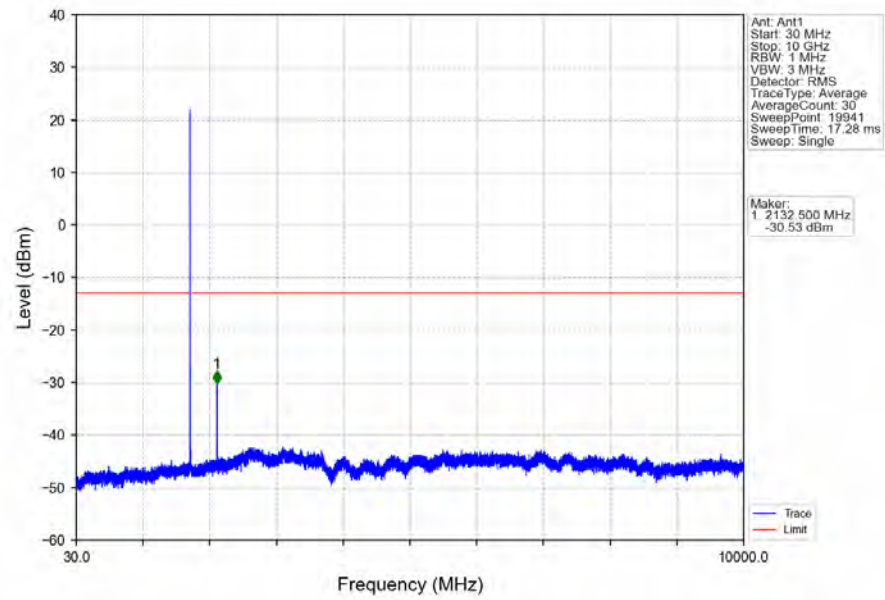
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



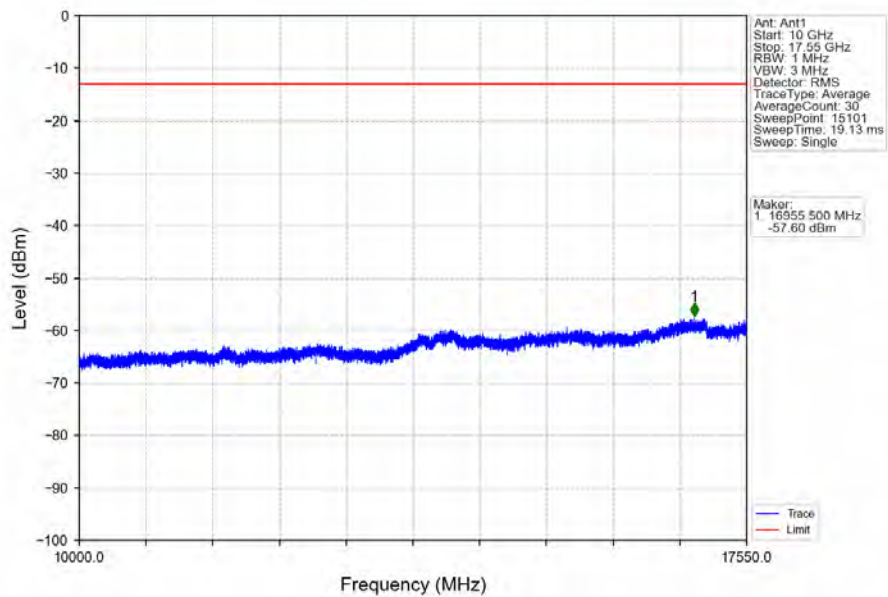
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



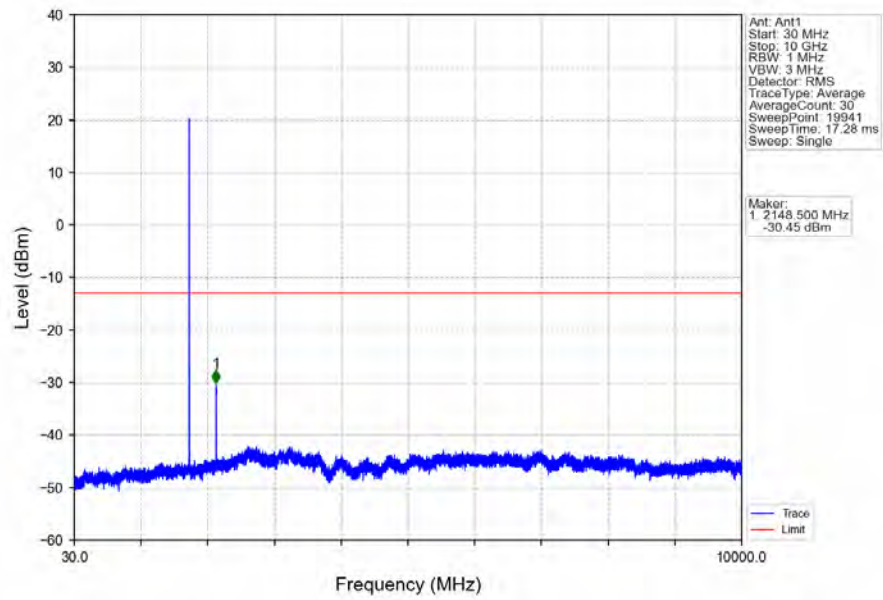
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



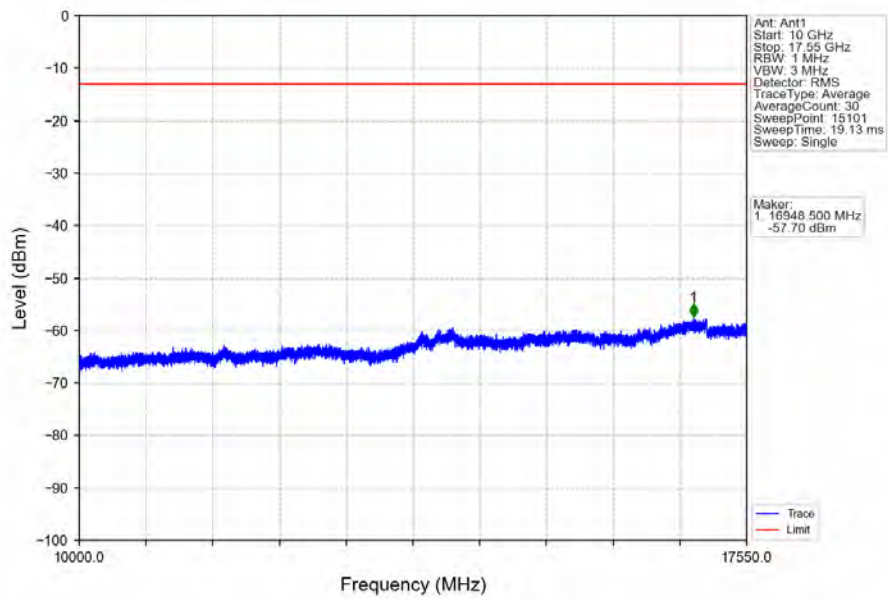
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



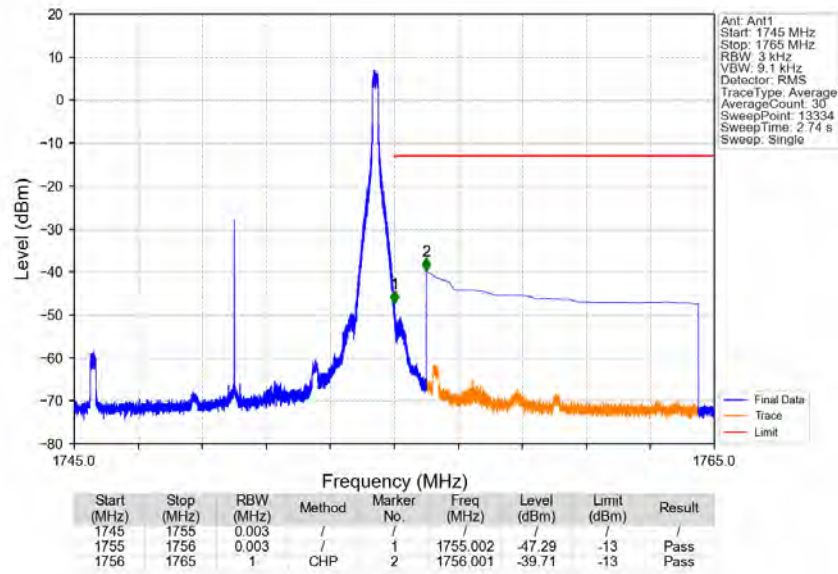
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



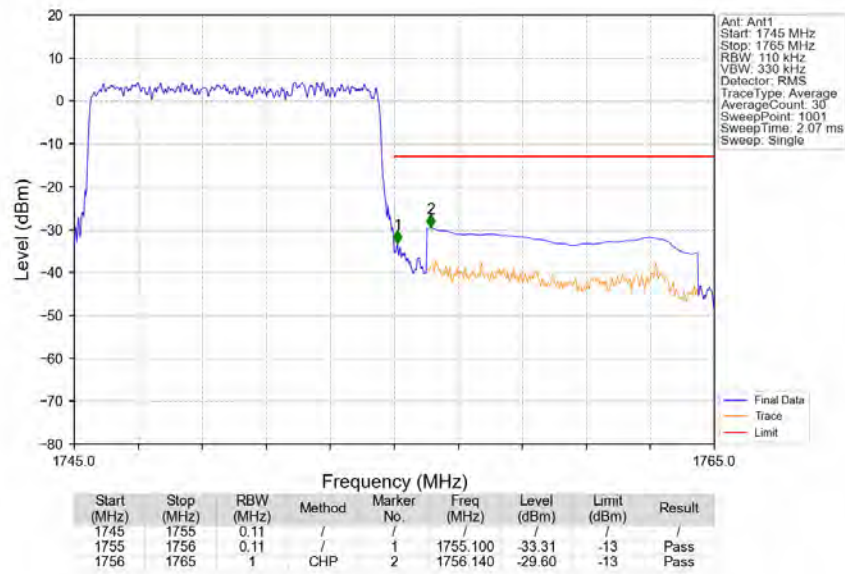
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

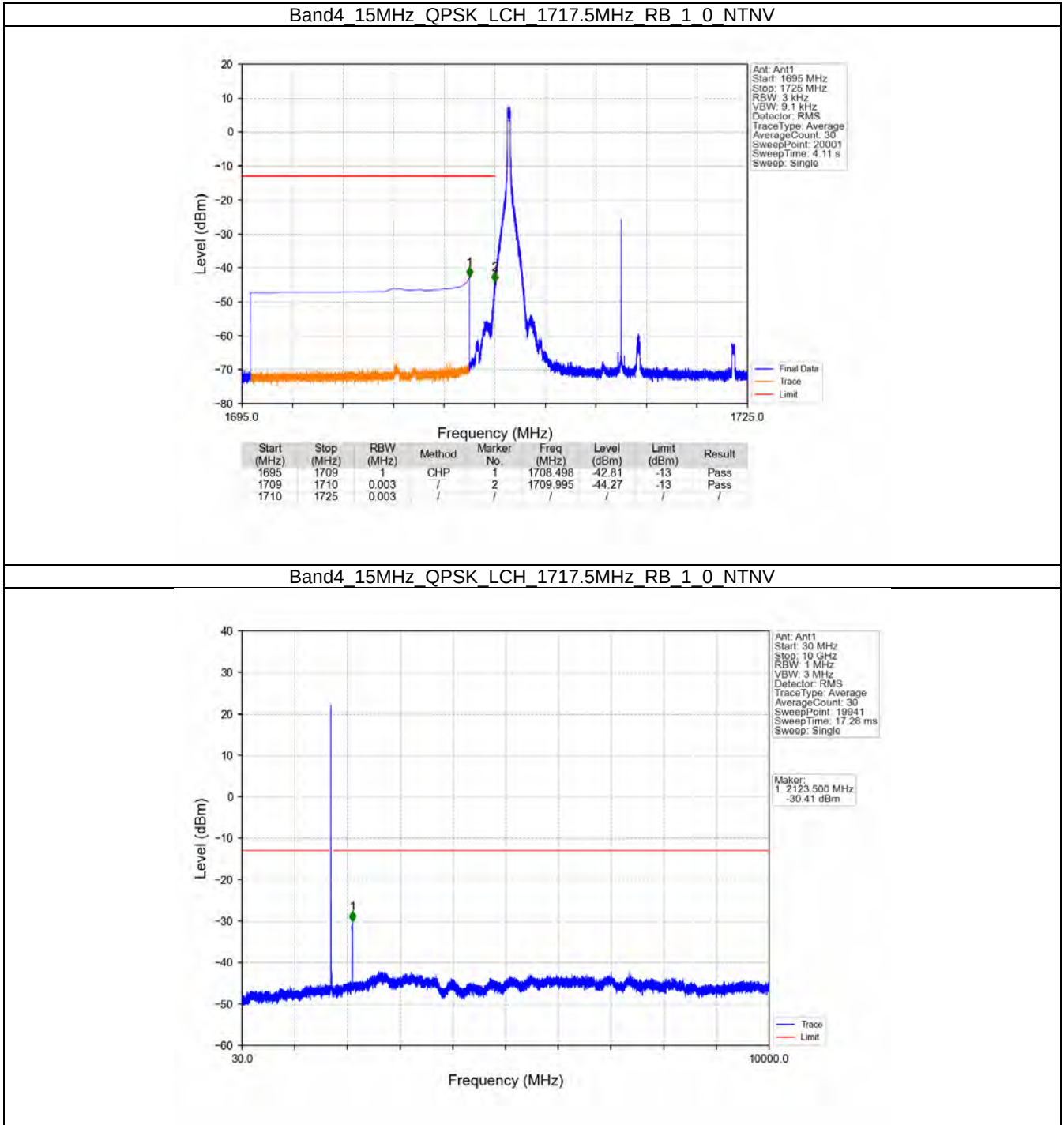


5.5 B4_15MHz

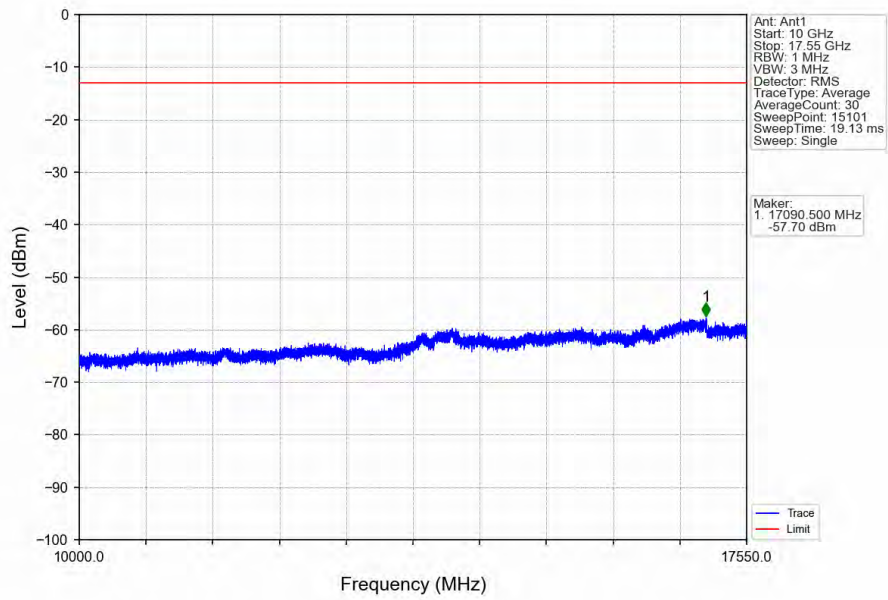
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

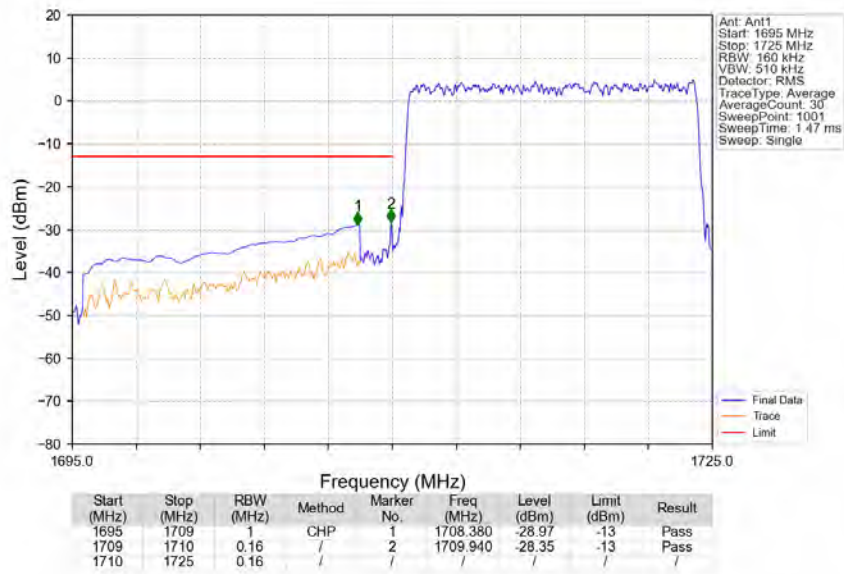
5.5.2 Test Graph



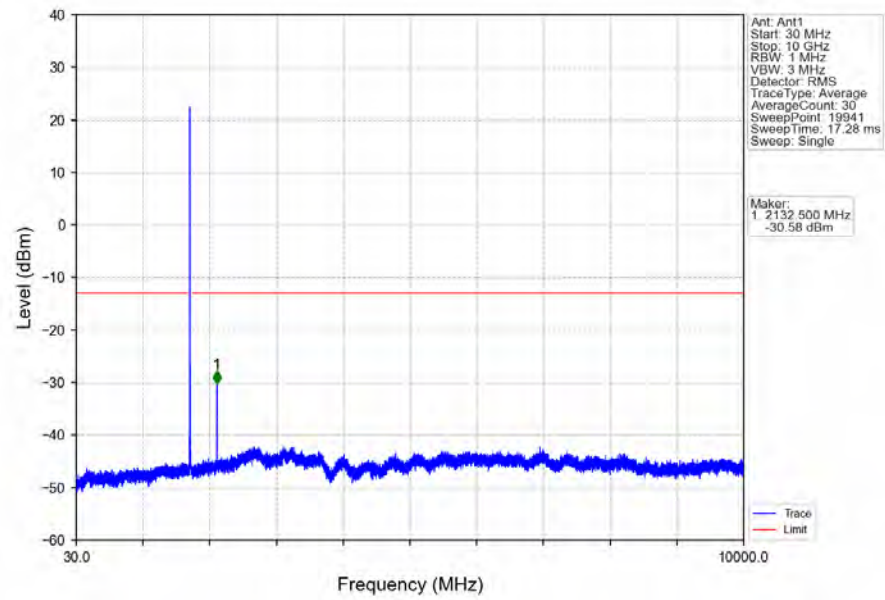
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



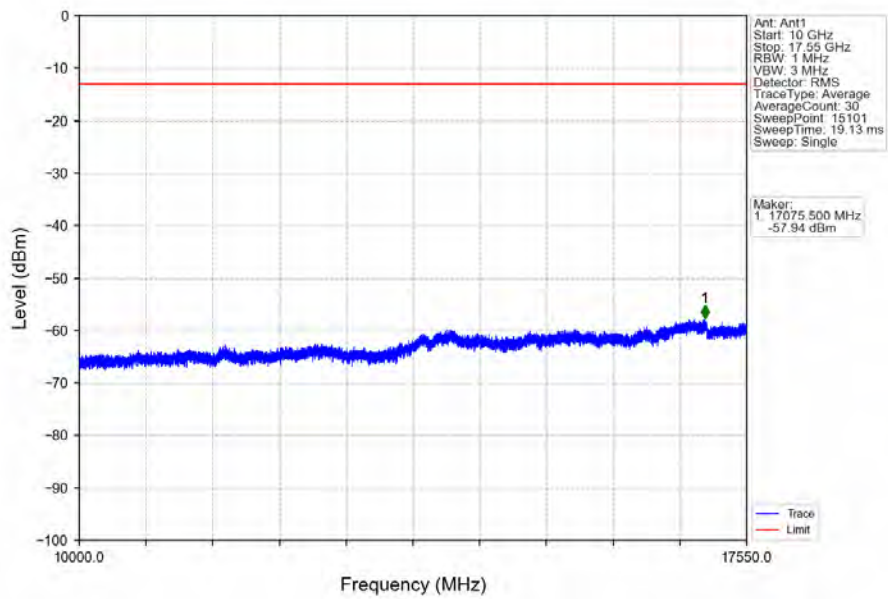
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



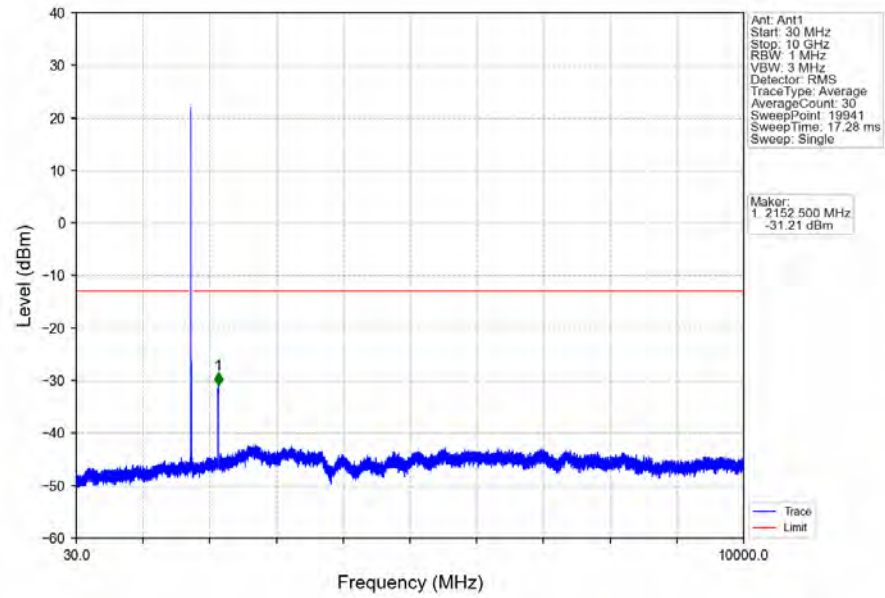
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



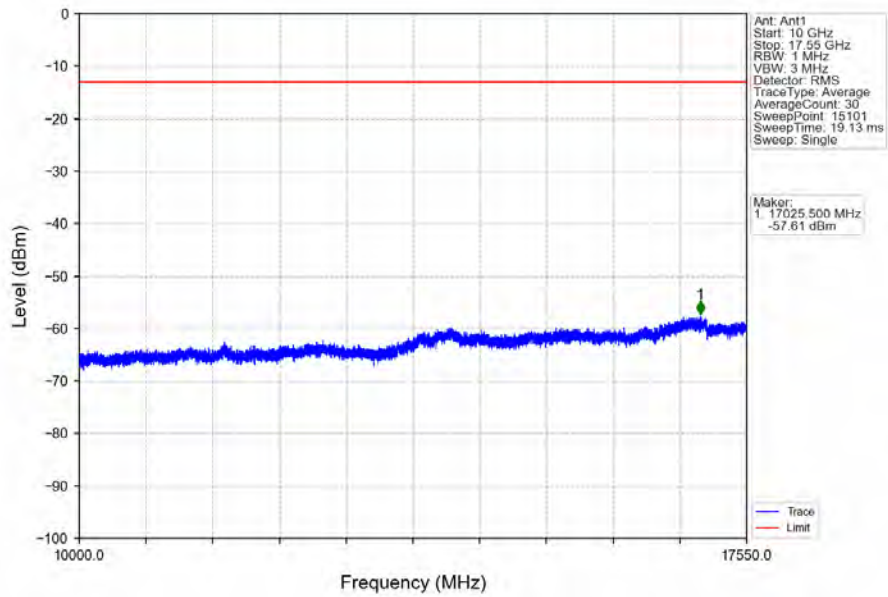
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



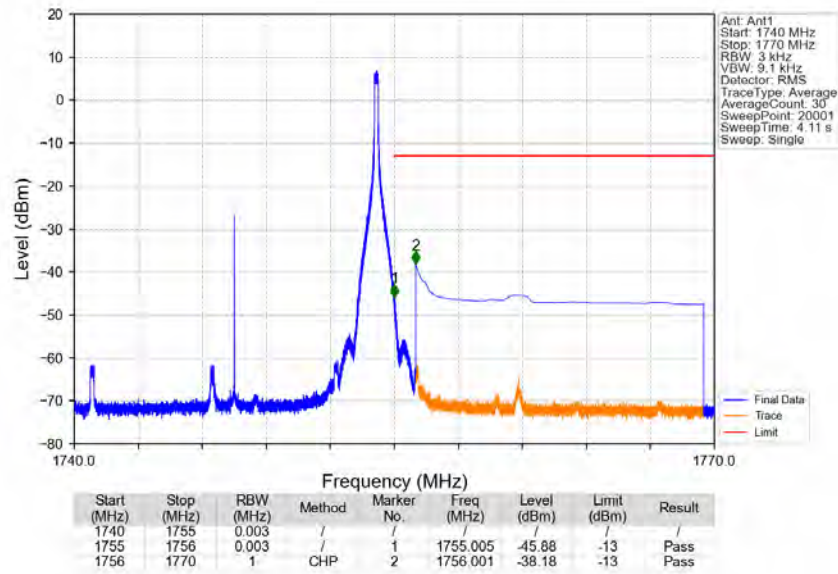
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



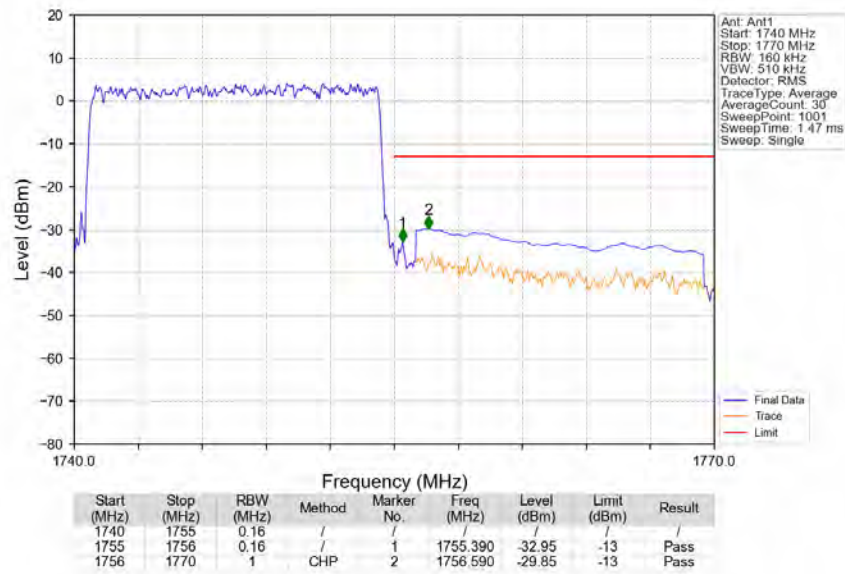
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

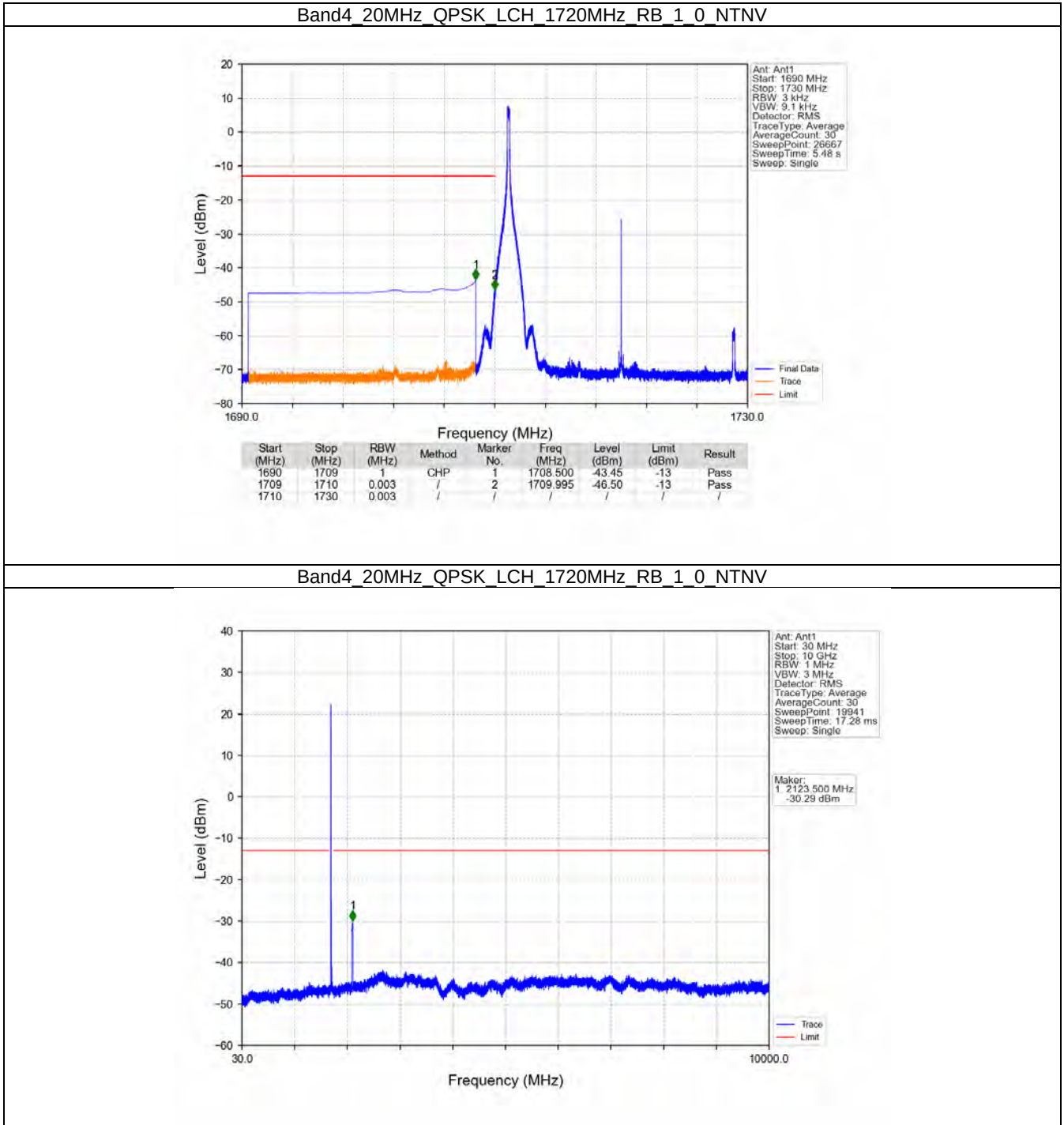


5.6 B4_20MHz

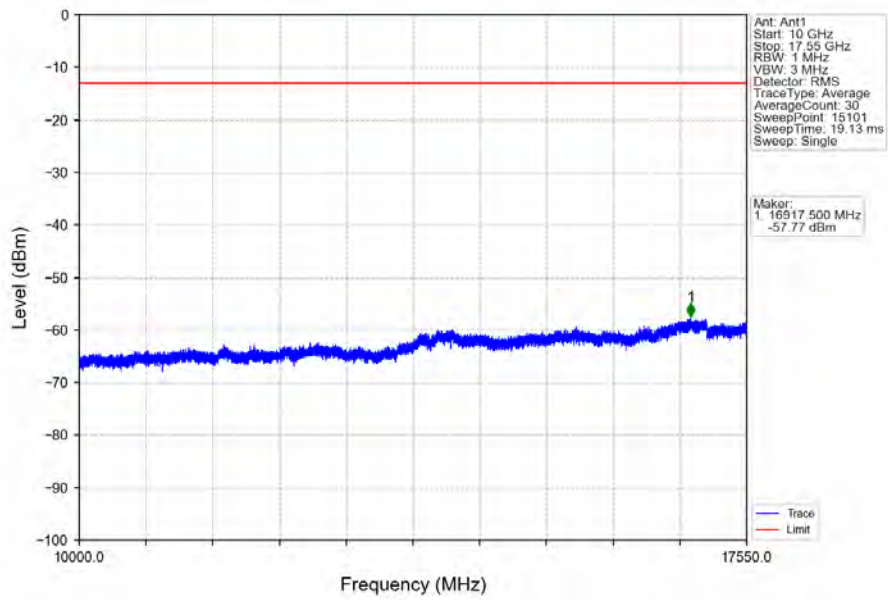
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

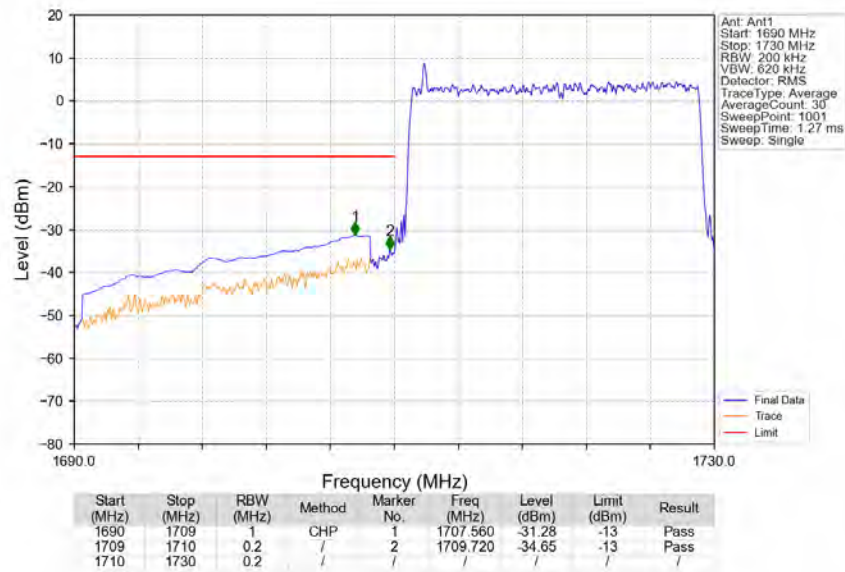
5.6.2 Test Graph



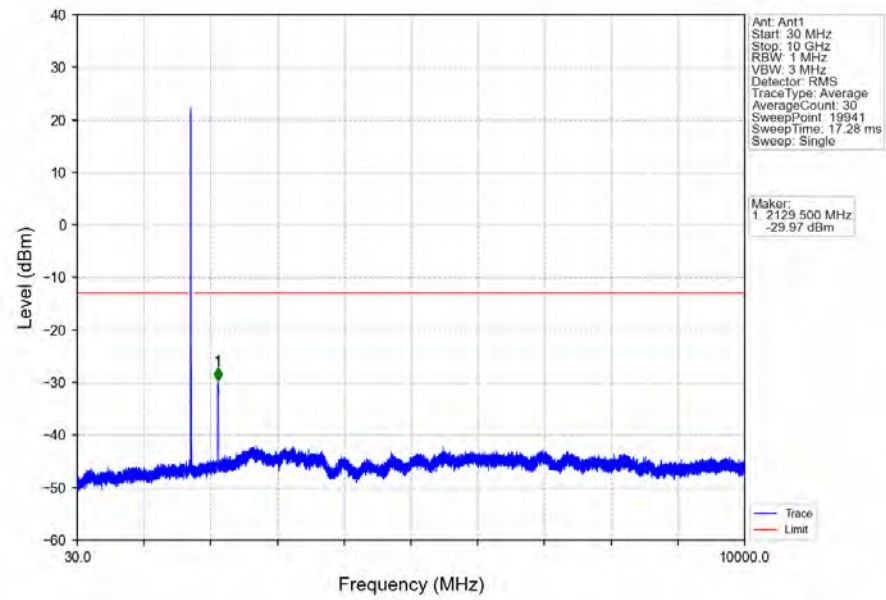
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



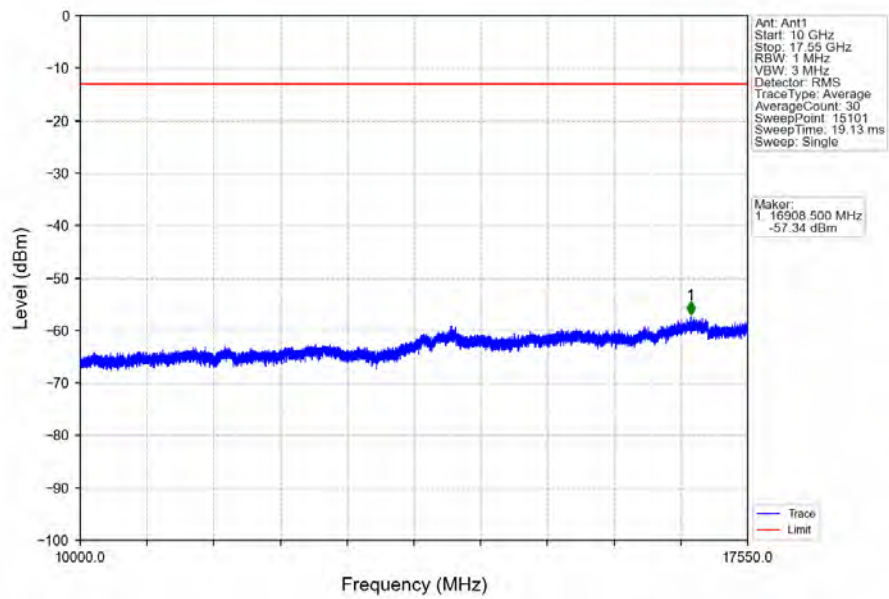
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



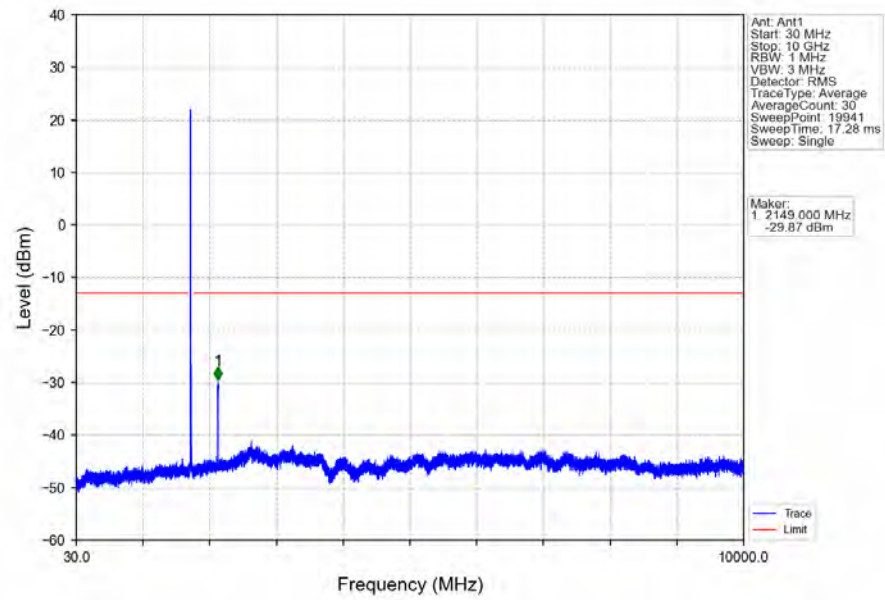
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



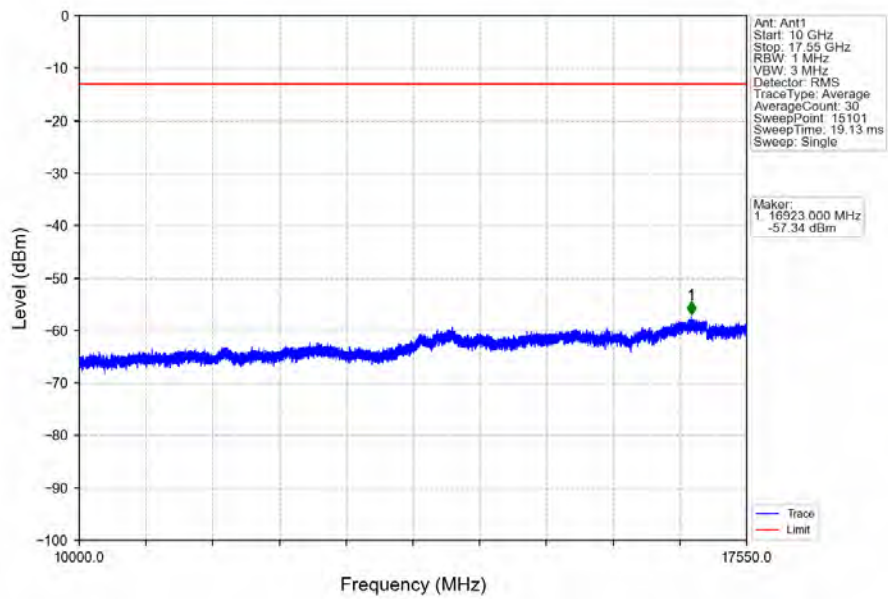
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



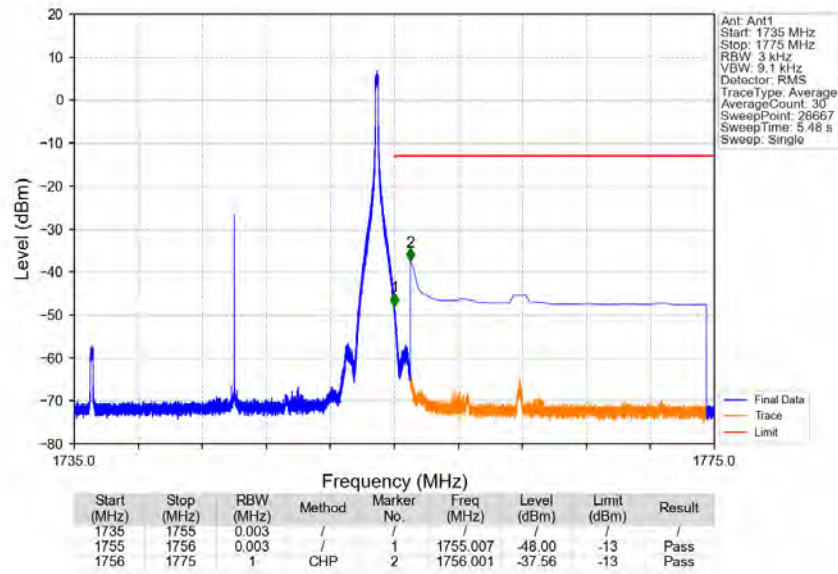
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



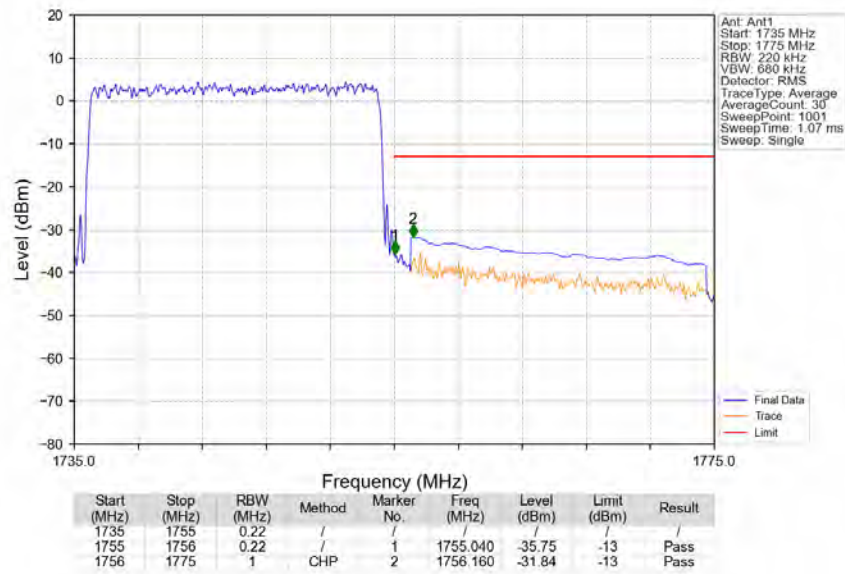
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4 20MHz_QPSK_HCH_1745MHz_RB 1_99 NTN



Band4 20MHz_QPSK_HCH_1745MHz_RB 100_0 NTN



6. Field Strength of Spurious Radiation

LTE Band 4-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-65.92	-13	-52.92	-70.54	3.36	7.98	Horizontal	Pass
5133.0	-47.94	-13	-34.94	-53.55	4.61	10.22	Horizontal	Pass
6844.0	-60.52	-13	-47.52	-66.55	4.9	10.93	Horizontal	Pass
3422.0	-65.11	-13	-52.11	-69.73	3.36	7.98	Vertical	Pass
5133.0	-55.22	-13	-42.22	-60.83	4.61	10.22	Vertical	Pass
6844.0	-58.71	-13	-45.71	-64.74	4.9	10.93	Vertical	Pass

LTE Band 4-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-66.56	-13	-53.56	-71.23	3.37	8.04	Horizontal	Pass
5170.5	-59.2	-13	-46.2	-64.83	4.62	10.25	Horizontal	Pass
6894.0	-60.76	-13	-47.76	-66.85	4.9	10.99	Horizontal	Pass
3447.0	-66.07	-13	-53.07	-70.74	3.37	8.04	Vertical	Pass
5170.5	-57.17	-13	-44.17	-62.8	4.62	10.25	Vertical	Pass
6894.0	-60.03	-13	-47.03	-66.12	4.9	10.99	Vertical	Pass

LTE Band 4-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-66.26	-13	-53.26	-70.97	3.39	8.1	Horizontal	Pass
5208.0	-63.52	-13	-50.52	-69.15	4.64	10.27	Horizontal	Pass
6944.0	-61.09	-13	-48.09	-67.24	4.91	11.06	Horizontal	Pass
3472.0	-67.09	-13	-54.09	-71.8	3.39	8.1	Vertical	Pass
5208.0	-63.44	-13	-50.44	-69.07	4.64	10.27	Vertical	Pass
6944.0	-61.11	-13	-48.11	-67.26	4.91	11.06	Vertical	Pass

LTE CA_2A_4A -Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-64.91	-13	-51.91	-69.53	3.36	7.98	Horizontal	Pass
5133.0	-45.33	-13	-32.33	-50.94	4.61	10.22	Horizontal	Pass
6844.0	-61.19	-13	-48.19	-67.22	4.9	10.93	Horizontal	Pass
3422.0	-65.97	-13	-52.97	-70.59	3.36	7.98	Vertical	Pass
5133.0	-59.17	-13	-46.17	-64.78	4.61	10.22	Vertical	Pass
6844.0	-60.61	-13	-47.61	-66.64	4.9	10.93	Vertical	Pass

LTE CA_2A_4A -Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-67.29	-13	-54.29	-71.96	3.37	8.04	Horizontal	Pass
5170.5	-62.92	-13	-49.92	-68.55	4.62	10.25	Horizontal	Pass
6894.0	-61.41	-13	-48.41	-67.5	4.9	10.99	Horizontal	Pass
3447.0	-66.95	-13	-53.95	-71.62	3.37	8.04	Vertical	Pass
5170.5	-60.69	-13	-47.69	-66.32	4.62	10.25	Vertical	Pass
6894.0	-60.9	-13	-47.9	-66.99	4.9	10.99	Vertical	Pass

LTE CA_2A_4A -High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-66.8	-13	-53.8	-71.51	3.39	8.1	Horizontal	Pass
5208.0	-62.97	-13	-49.97	-68.6	4.64	10.27	Horizontal	Pass
6944.0	-61.53	-13	-48.53	-67.68	4.91	11.06	Horizontal	Pass
3472.0	-67.51	-13	-54.51	-72.22	3.39	8.1	Vertical	Pass
5208.0	-63.49	-13	-50.49	-69.12	4.64	10.27	Vertical	Pass
6944.0	-60.78	-13	-47.78	-66.93	4.91	11.06	Vertical	Pass